



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Mar/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Mar/2010 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	135.930	2915.493	1) Madhya Pradesh	51.329	1170.815
2) Hydro	14.395	354.480	2) Gujrat	27.228	648.408
3) Gas	13.614	300.055	3) Goa	-6.669	-145.588
Total MSGENCO	163.939	3570.028	4) TAPS 1&2 (Inj.)	7.217	166.895
B) OTHERS			5) Pench (Excess)	-0.120	-5.181
1) RGPPL Gas	32.803	716.569	# Total Cent. Sector	78.985	1835.349
2) Wind Generation	6.268	92.864	F) Other Exchanges		
3) CPP	4.665	20.130	1) With TPCL (Excess)	-5.035	-74.521
4) PENCH (MS)	0.120	5.409	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	5.967	136.316
1) TPCL Thermal	30.876	684.099	Include PX	0.000	0.000
2) TPCL Hydro	5.928	97.287	2) MUMBAI Bilateral	6.057	92.426
TOTAL TPCL	36.804	781.386	Include PX	2.670	39.101
3) REL Thermal	12.597	290.689	3) MUMBAI Schedule	6.057	92.426
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	179.403	3890.281	1) MSEDCL	281.745	6165.828
2) Hydro (A2+B3+C2)	20.443	457.176	2) TPCL	35.173	739.713
3) Gas (A3+B1)	46.417	1016.624	3) REL	19.250	406.870
4) Wind (B2)	6.268	92.864	TOTAL STATE	336.168	7312.411
5) CPP (B3)	4.665	20.130			
TOTAL STATE	257.196	5477.075			

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	5560	5858	5709
MSGENCO Hydro	658	1133	492
MSGENCO Gas	598	562	551
MSGENCO Total Generation	6816	7553	6752
Central Sector Receipt	4036	3161	2891
RGPPL	1370	1384	1337
WIND	97	379	300
CPP	199	201	176
Exchange with TPCL	-440	-308	1
MSEDCL DEMAND MET	12078	12370	11457
Load Shedding	3495	3816	1861
MSEDCL DEMAND (INCL. LS)	15573	16186	13318
TPCL GENERATION	1773	1777	1203
REL GENERATION	524	522	526
TPCL+REL DEMAND	2737	2607	1728
STATE DEMAND MET	14815	14977	13185
STATE DEMAND (INCL. LS)	18310	18793	15046
Frequency (Hz)	49.44	49.29	49.43
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			4206 MW At 12.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			81.05 Mus.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
50.29 Hz at 08.04 Hrs	48.8 Hz at 23.20 Hrs	49.43	3.26 % 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 23/Mar/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.84	35.74	87	64	75
Unit 2	1.52	36.62	69	49	70
Unit 3	0.00	0.00	0	0	0
Unit 4	1.84	40.19	89	67	70
Unit 5	3.72	82.45	167	144	150
Unit 6	3.69	84.59	169	140	160
Unit 7	4.49	82.20	200	175	190
	17.09	361.78			715
Bhusawal					
Unit 1	1.16	24.74	53	33	50
Unit 2	4.48	102.74	193	176	195
Unit 3	4.56	96.34	200	185	195
	10.20	223.82			440
Parli					
Unit 1	0.56	12.68	25	22	23
Unit 2	0.56	10.82	24	22	23
Unit 3	0.00	37.16	0	0	0
Unit 4	4.15	96.35	209	135	200
Unit 5	4.29	97.24	189	160	185
Unit 6	5.92	136.90	254	228	250
Unit 7	5.58	62.87	260	144	
	21.07	454.03			681
Chandrapur					
Unit 1	3.46	66.68	147	140	150
Unit 2	3.36	77.83	148	122	150
Unit 3	3.49	91.42	180	106	180
Unit 4	4.06	102.54	190	120	210
Unit 5	10.34	181.08	444	420	450
Unit 6	9.26	207.60	420	355	425
Unit 7	9.40	232.82	432	351	450
	43.38	959.98			2015
Paras					
Unit 2	0.54	15.83	25	10	24
Unit 3	5.80	73.52	249	227	240
Unit 4	2.31	20.21	114	77	
	8.64	109.56			264
Khaparkheda					
Unit 1	4.69	87.46	209	185	200
Unit 2	4.46	89.31	190	183	195
Unit 3	4.90	105.07	212	191	210
Unit 4	4.82	99.56	214	189	210
	18.87	381.40			815
Nasik					
Unit 1	0.53	44.74	96	0	0
Unit 2	2.23	52.15	101	3	100
Unit 3	4.78	112.26	207	179	200
Unit 4	4.27	105.35	208	0	200
Unit 5	4.86	110.42	209	196	210
	16.68	424.92			710
Koyna					
Stage 1-2	2.88	58.16	455	40	600
Stage 4	6.17	152.70	777	0	250
Stage 3	1.86	45.43	160	0	240
	10.90	256.30			1090
Kovna 12&4 Total	9.05	210.87			850

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		13.61	300.06	605	541	530
		13.61	300.06			530
Hydro						
KDPH		0.18	10.33	37	0	0
VTRNA		0.61	12.45	61	0	0
TILLARI		0.00	3.23	0	0	0
BHTGR/VEER		0.48	44.54	20	19	6
BHIRA T.R.		0.26	4.80	80	0	80
RNGR+BHTSA		0.28	7.05	13	1	13
BHANDARDRA		0.00	1.01	0	0	0
ELDARY		0.00	0.00	0	0	0
SMLHY PTN		0.68	2.52	29	28	12
GHATGHAR		0.99	12.24	125	0	0
		3.49	98.18			111
PENCH (MS)						
Pench (MS)		0.12	5.41	50	0	
		0.12	5.41			
Wind						
MalharPeth		0.21	4.00			
Vankuswadi		0.47	8.18			
ATIT		0.09	2.74			
Kale		0.23	3.20			
Satara		0.37	3.12			
Shirala		0.21	3.18			
K Mahankal		0.01	2.11			
Supa		0.14	2.71			
Vita		0.48	11.70			
Dondaicha		2.32	30.66			
Sakri		0.44	4.91			
Nandurbar		0.37	4.88			
Khadakale		0.52	6.57			
Khaparale		0.42	4.91			
		6.27	92.86			
CPP						
TOTAL CPP		4.66	20.13			
		4.66	20.13			
Dabhol						
RGPPL		32.80	716.57	1420	1333	1520
		32.80	716.57			1520
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	227.69	415	415	425
Trombay 6		10.40	217.03	510	250	500
Trombay 7A		2.85	66.70	122	117	120
Trombay 7B		1.61	37.47	68	66	60
Trombay 8		6.06	135.20	254	252	250
TATA Hydro		5.93	97.29	471	0	447
		36.80	781.39			1802
REL						
1&2		12.60	290.69	527	522	500
		12.60	290.69			500
Cent Sect						
Share						3221
						3221
MS PG CL	Thermal	135.93	2915.49			5640
	Thml+Gas	149.54	3215.55			6170
	Hydro	14.40	354.48			1201
	Total	163.94	3570.03			7371
State Total		257.20	5477.08			14411

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/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	5634	991	541	7166	1339	373	178	2860	3031	-141	-92	11995	1935	13930	1971	15901	49.27
2	5665	788	552	7005	1335	321	171	2767	2775	-47	2	11609	1986	13595	1802	15397	49.24
3	5709	492	551	6752	1337	300	176	2769	2891	-47	1	11457	1861	13318	1728	15046	49.43
4	5642	244	550	6436	1335	252	169	2801	2942	-47	-3	11131	2276	13407	1642	15049	49.38
5	5479	482	552	6513	1334	269	174	2801	2846	-47		11136	2410	13546	1631	15177	49.29
6	5491	945	554	6990	1336	270	197	2731	2714	24	65	11572	2694	14266	1647	15913	49.27
7	5586	143	566	6295	1334	201	194	3110	2913	29	67	11004	3776	14780	1767	16547	49.43
8	5603	100	605	6308	1333	145	201	3075	2859	29	65	10911	3967	14878	1851	16729	49.80
9	5630	106	598	6334	1371	115	201	3081	3002	29	77	11100	3897	14997	2019	17016	49.80
10	5605	136	602	6343	1376	97	185	3520	3484	-371	-321	11164	3794	14958	2437	17395	49.64
11	5600	314	600	6514	1372	73	183	3587	3924	-440	-396	11670	3452	15122	2639	17761	49.61
12	5560	658	598	6816	1370	97	199	3597	4036	-487	-440	12078	3495	15573	2737	18310	49.44
13	5618	691	599	6908	1370	148	207	3622	3723	-487	-437	11919	3395	15314	2733	18047	49.49
14	5650	336	587	6573	1370	186	208	3571	3957	-440	-392	11902	3360	15262	2668	17930	49.64
15	5673	327	563	6563	1370	343	209	3561	3817	-440	-411	11891	3512	15403	2729	18132	49.48
16	5670	297	554	6521	1370	317	211	3526	3673	-440	-438	11654	3513	15167	2749	17916	49.40
17	5791	356	554	6701	1372	398	204	3529	3570	-440	-409	11836	3537	15373	2691	18064	49.40
18	5845	329	542	6716	1375	428	207	3529	3709	-440	-421	12014	3207	15221	2629	17850	49.68
19	5903	614	548	7065	1375	387	200	3171	3272	-345	-285	12014	3779	15793	2570	18363	49.67
20	5858	1133	562	7553	1384	379	201	3256	3161	-315	-308	12370	3816	16186	2607	18793	49.29
21	5821	1256	561	7638	1398	385	204	3273	3347	-315	-260	12712	3518	16230	2499	18729	49.28
22	5774	1040	561	7375	1407	289	195	3304	3180	-315	-257	12216	3541	15757	2409	18166	49.18
23	5603	1326	560	7489	1420	245	197	3253	3216	-282	-222	12388	3183	15571	2182	17753	49.16
24	5529	1291	554	7374	1420	254	195	3142	2939	-282	-220	12012	2216	14228	2100	16328	49.01
MUs	135.94	14.40	13.61	163.95	32.80	6.27	4.67	77.44	78.98	-6.06	-5.04	281.76	76.12	357.88	54.44	412.31	49.43

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 23/Mar/2010

Position as on 6.30 Hrs of 24/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.	
Nasik Unit 1	125	20/03/2010	12.18	23/03/2010	16.45	BLR T/L.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Mar/2010

Position as on 6.30 Hrs of 24/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Bhilad	23/03/2010	08.57	23/03/2010	17.02	Q M Work.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT - I @ Bhusawal	23/03/2010	08.16	23/03/2010	17.12	SFRA Tan Delta,CRM Measurment of CB,Relay Testing Work.
Main Bus-I at New Koyna	23/03/2010	09.55	23/03/2010	19.50	Connecting Extended M B-I to 400KV Existing Bus.
Main Bus-II at New Koyna	24/03/2010	10.06	24/03/2010	20.00	Connecting extended M B II to existing bus.
ICT L V Breaker @ Lamboti	24/03/2010	16.00	24/03/2010	18.00	For attending Hot Spot.
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.
220/132kv,100MVA ICT-I at khadka	23/03/2010	08.16	23/03/2010	17.12	R M Work.
Borivali-Boisar	23/03/2010	09.02	23/03/2010	16.40	For Attending Hot Spot.
ONGC-TSS	23/03/2010	09.05	23/03/2010	18.00	Replacement of Breaker Jumper.
220/33/22 KV 50 MVA T/F -I @ ONGC	23/03/2010	09.30	23/03/2010	18.00	Attending Oil Leakage.
Kolhapur-Karad-IV	23/03/2010	10.10	23/03/2010	17.20	Erection of Tower.
220/100 KV 200 MVA T/F IV at Apta.	23/03/2010	10.58	23/03/2010	15.30	R M Work.
Karad-M'peth	23/03/2010	11.10		Continued.	Tower erection work.
Kalwa - Ghatghar	23/03/2010	12.57	23/03/2010	14.20	For Passing of T/F Triliar.
220 kv Varsova M.B.-II	24/03/2010	09.24	24/03/2010	17.23	Bus outage.
Koradi-Ambazari ckt - II	24/03/2010	10.15	24/03/2010	15.22	Qtrly Maint.
Vita - Pandharpur	24/03/2010	11.17	24/03/2010	15.30	Annual maint.
Kolhapur-Karad-IV	24/03/2010	14.04	24/03/2010	20.24	For crossing work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Theur - Phursungi	04/02/2010	10.00	24/03/2010	18.00	Single ckt to double ckt.
Paras-Malkapur	22/03/2010	10.00	23/03/2010	20.08	C T's Replacement Work @ Both Ends.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,315MVA ICT-II at N.Koyna	24/03/2010	09.30	24/03/2010	12.58	H/T to change broken spring of C isolator.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Karad - I	23/03/2010	09.30	23/03/2010	09.41	Trip.
Koradi - Bhusawal	24/03/2010	09.10	24/03/2010	09.43	Dist. Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
132/3.3 KV 6 MVA Stn T/F	15/03/2010	16.16		Continued.	B Ph C T Burst.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Mar/2010

Position as on 6.30 Hrs of 24/Mar/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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@ Paras _____

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Mar/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	80
Unit 2	105	70
Unit 3	105	0
Unit 4	105	80
Unit 5	200	160
Unit 6	210	160
Unit 7	210	200
	1040	750
Bhusawal		
Unit 1	58	50
Unit 2	210	195
Unit 3	210	195
	478	440
Parli		
Unit 1	30	23
Unit 2	30	23
Unit 3	210	0
Unit 4	210	200
Unit 5	210	185
Unit 6	250	250
Unit 7	250	0
	1190	681
Chandrapur		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	170
Unit 4	210	160
Unit 5	500	450
Unit 6	500	425
Unit 7	500	450
	2340	1955
Paras		
Unit 2	55	24
Unit 3	250	240
Unit 4	250	0
	555	264
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	210
Unit 4	210	190
	840	790
Nasik		
Unit 1	120	100
Unit 2	120	0
Unit 3	210	200
Unit 4	210	0
Unit 5	210	210
	870	510
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Uran		
All Units	852	560

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	560
Hydro		
KDPH	40	36
VTRNA	60	60
TILLARI	60	0
BHTGR/VEER	21	6
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	27
GHATGHAR	250	0
	611	222
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	
CPP		
TOTAL CPP	0	
	0	
Dabhol		
RGPPL	960	1350
	960	1350
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	3148
	3143	3148