



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Apr/2010

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Apr/2010 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	113.555	1681.776	1) Madhya Pradesh	52.486	699.977
2) Hydro	40.811	397.531	2) Gujrat	25.257	384.654
3) Gas	15.257	205.596	3) Goa	-6.638	-94.023
Total MSGENCO	169.623	2284.903	4) TAPS 1&2 (Inj.)	7.136	76.780
B) OTHERS			5) Pench (Excess)	-0.336	-5.342
1) RGPPL Gas	35.518	513.013	# Total Cent. Sector	77.905	1062.046
2) Wind Generation	5.552	90.779	F) Other Exchanges		
3) CPP	4.586	63.750	1) With TPCL (Excess)	-4.510	-89.152
4) PENCH (MS)	0.336	5.342	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	7.741	85.205
1) TPCL Thermal	32.542	429.131	Include PX	0.000	17.257
2) TPCL Hydro	5.451	61.578	2) MUMBAI Bilateral	6.132	100.672
TOTAL TPCL	37.993	490.709	Include PX	-0.035	9.801
3) REL Thermal	12.525	175.696	3) MUMBAI Schedule	6.132	100.672
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	158.622	2286.603	1) MSEDCL	289.010	3930.681
2) Hydro (A2+B3+C2)	46.598	464.451	2) TPCL	35.198	487.394
3) Gas (A3+B1)	50.775	718.609	3) REL	19.828	268.139
4) Wind (B2)	5.552	90.779	TOTAL STATE	344.036	4686.214
5) CPP (B3)	4.586	63.750			
TOTAL STATE	266.133	3624.192			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4554	4736	4880
MSGENCO Hydro	2190	2254	1192
MSGENCO Gas	617	636	654
MSGENCO Total Generation	7361	7626	6726
Central Sector Receipt	3406	3450	2421
RGPPL	1512	1520	1458
WIND	61	219	441
CPP	158	215	204
Exchange with TPCL	-352	-252	124
MSEDCL DEMAND MET	12146	12810	11399
Load Shedding	3527	3698	2095
MSEDCL DEMAND (INCL. LS)	15673	16508	13494
TPCL GENERATION	1779	1834	1361
REL GENERATION	521	519	524
TPCL+REL DEMAND	2652	2605	1761
STATE DEMAND MET	14798	15415	13160
STATE DEMAND (INCL. LS)	18325	19113	15255
Frequency (Hz)	49.05	49.10	49.04
MSEDCL's Max Demand-Supply Gap (excluding UI, D.A.Power & Unsch.Hyd.Gen)			5635 MW at 15.00 Hrs
MSEDCL's Dem.-Supply Gap for day (excluding UI, D.A.Power & Unsch.Hyd.Gen)			102.89 MUs.

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49Hz
49.92 Hz at 18.04 Hrs	48.66 Hz at 23.07 Hrs	49.15	26.76 % 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 14/Apr/2010

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 1	1.57	24.12	82	52	55
Unit 2	0.00	15.97	0	0	0
Unit 3	1.67	23.06	83	47	65
Unit 4	1.59	21.91	81	42	65
Unit 5	3.60	40.83	168	132	155
Unit 6	3.66	41.22	166	136	135
Unit 7	4.12	64.35	195	151	160
	16.22	231.46			635
Bhusawal					
Unit 1	0.49	13.16	23	18	25
Unit 2	4.20	58.88	189	112	195
Unit 3	4.34	61.26	189	174	195
	9.03	133.31			415
Parli					
Unit 1	0.57	7.44	25	19	22
Unit 2	0.56	7.21	24	22	22
Unit 3	0.00	0.00	0	0	0
Unit 4	3.88	51.28	181	137	180
Unit 5	4.02	58.91	189	140	180
Unit 6	6.06	81.90	255	250	250
Unit 7	0.00	14.53	0	0	
	15.09	221.26			654
Chandrapur					
Unit 1	0.00	23.81	0	0	0
Unit 2	3.78	37.80	168	139	165
Unit 3	1.72	52.62	182	0	170
Unit 4	4.20	62.15	192	130	180
Unit 5	9.69	139.34	438	340	450
Unit 6	0.00	0.32	0	0	0
Unit 7	10.18	143.57	456	363	450
	29.57	459.62			1415
Paras					
Unit 2	0.88	13.77	47	22	46
Unit 3	5.55	78.66	244	213	230
Unit 4	2.23	35.88	199	0	
	8.65	128.32			276
Khaparkheda					
Unit 1	4.94	69.12	214	186	210
Unit 2	4.39	62.56	191	175	180
Unit 3	4.62	54.89	198	190	190
Unit 4	4.53	66.30	194	182	190
	18.49	252.85			770
Nasik					
Unit 1	0.35	29.18	92	0	0
Unit 2	2.27	29.94	97	88	100
Unit 3	4.48	66.34	194	175	180
Unit 4	4.63	63.89	204	183	200
Unit 5	4.78	65.59	205	183	200
	16.50	254.94			680
Koyna					
Stage 1-2	8.67	77.01	570	45	530
Stage 4	20.79	197.68	1118	0	250
Stage 3	6.68	58.02	320	12	320
	36.14	332.71			1100
Kovna 12&4 Total	29.46	274.69			780

Generating unit		Generation				OLC (MW)
		Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Uran						
All Units		15.26	205.60	669	607	600
		15.26	205.60			600
Hydro						
KDPH		0.15	6.81	20	0	38
VTRNA		1.25	16.41	61	0	60
TILLARI		0.36	5.14	60	0	60
BHTGR/VEER		0.49	2.94	21	20	6
BHIRA T.R.		0.39	3.14	81	0	80
RNGR+BHTSA		0.29	4.11	13	12	13
BHANDARDRA		0.65	9.91	30	24	30
ELDARY		0.00	1.07	0	0	0
SMLHY PTN		0.94	10.38	40	39	0
GHATGHAR		0.14	4.90	125	0	0
		4.68	64.82			287
PENCH (MS)						
Pench (MS)		0.34	5.34	51	0	
		0.34	5.34			
Wind						
MalharPeth		0.18	2.59			
Vankuswadi		0.33	5.67			
ATIT		0.08	2.10			
Kale		0.18	2.62			
Satara		0.33	4.21			
Shirala		0.18	2.51			
K Mahankal		0.00	1.96			
Supa		0.12	2.40			
Vita		0.35	11.07			
Dondaicha		2.40	35.30			
Sakri		0.37	5.91			
Nandurbar		0.37	5.08			
Khadakale		0.36	5.42			
Khaparale		0.32	3.94			
		5.55	90.78			
CPP						
TOTAL CPP		4.59	63.75			
		4.59	63.75			
Dabhol						
RGPPL		35.52	513.01	1588	1232	1550
		35.52	513.01			1550
Tata						
Trombay 4		0.00	0.00	0	0	0
Trombay 5		9.96	139.44	415	415	415
Trombay 6		12.13	145.72	510	470	500
Trombay 7A		2.82	39.64	120	115	120
Trombay 7B		1.58	22.27	66	65	60
Trombay 8		6.06	82.06	255	250	250
TATA Hydro		5.45	61.58	471	0	447
		37.99	490.71			1792
REL						
1&2		12.52	175.70	526	518	500
		12.52	175.70			500
Cent Sect						
Share						3058
						3058
MS PG CL	Thermal	113.56	1681.78			4845
	Thml+Gas	128.81	1887.37			5445
	Hydro	40.81	397.53			1387
	Total	169.62	2284.90			6832
State Total		266.13	3624.19			13732

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Apr/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	4903	2164	627	7694	1232	349	191	2830	3134	-162	-130	12521	1635	14156	2164	16320	49.12
2	4923	2038	634	7595	1242	351	198	2830	2956	-162	-110	12232	1657	13889	1973	15862	49.29
3	4949	1758	633	7340	1238	376	200	2819	2898	-162	-7	12045	1524	13569	1854	15423	49.18
4	4905	1326	638	6869	1283	434	204	2736	2767	-162	100	11657	1947	13604	1778	15382	49.27
5	4880	1192	654	6726	1458	441	204	2736	2421	-162	124	11399	2095	13494	1761	15255	49.04
6	4918	1476	666	7060	1548	391	198	2528	2424	60	157	11803	2422	14225	1728	15953	49.04
7	5003	894	669	6566	1557	345	193	2732	2564	41	89	11314	3470	14784	1763	16547	49.27
8	5009	627	664	6300	1551	225	196	2837	2782	-69	44	11098	3776	14874	1841	16715	49.21
9	4984	526	648	6158	1543	128	193	2834	2903	-69	-15	10910	3911	14821	1960	16781	49.20
10	4811	1141	637	6589	1537	131	200	3277	3547	-374	-335	11669	3863	15532	2322	17854	49.35
11	4709	1864	629	7202	1530	91	166	3322	3459	-374	-336	12112	3543	15655	2544	18199	49.30
12	4554	2190	617	7361	1512	61	158	3319	3406	-374	-352	12146	3527	15673	2652	18325	49.05
13	4460	2164	620	7244	1513	48	165	3389	3699	-443	-393	12276	3544	15820	2660	18480	49.13
14	4427	1874	607	6908	1512	55	170	3256	3789	-372	-360	12074	3683	15757	2592	18349	49.16
15	4454	1458	618	6530	1502	83	183	3300	3719	-444	-412	11605	4327	15932	2654	18586	49.05
16	4447	1458	616	6521	1492	95	174	3153	3642	-444	-408	11516	4171	15687	2661	18348	48.99
17	4405	1805	627	6837	1509	127	180	3118	4030	-444	-428	12255	3500	15755	2643	18398	49.21
18	4489	1932	635	7056	1518	141	170	3047	3896	-373	-355	12426	3090	15516	2569	18085	49.31
19	4638	1924	638	7200	1522	148	172	2834	3195	-253	-217	12020	3525	15545	2493	18038	49.26
20	4736	2254	636	7626	1520	219	215	3041	3450	-290	-252	12810	3698	16508	2605	19113	49.10
21	4833	2282	635	7750	1517	337	218	3016	3126	-253	-203	12795	3369	16164	2541	18705	48.98
22	4804	2077	643	7524	1538	352	226	3009	3432	-253	-206	12917	3378	16295	2476	18771	49.21
23	4795	2122	633	7550	1556	303	208	3004	3368	-253	-207	12829	3011	15840	2409	18249	48.91
24	4514	2265	633	7412	1588	321	204	3028	3298	-340	-298	12576	0	12576	2385	14961	48.92
MUs	113.5 5	40.81	15.26	169.62	35.52	5.55	4.59	72.00	77.90	-6.13	-4.51	289.00	72.67	361.67	55.03	416.70	49.15

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 14/Apr/2010

Position as on 6.30 Hrs of 15/Apr/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)	30/04/2010
Parli Unit 3	210	11/03/2010	03.45		Continued.	Annual overhaul	17/04/2010
Chandrapur Unit 6	500	01/04/2010	01.15		Continued.	Annual Overhaul	30/04/2010
Cent_Sect NTPC(V-2)	210	01/04/2010	23.20		Continued.	Annual Overhaul	01/05/2010
Cent_Sect NTPC(K-1)	210	01/04/2010	23.52		Continued.	Annual Overhaul	01/05/2010
Chandrapur Unit 1	210	08/04/2010	08.36		Continued.	Annual Overhaul	03/05/2010
Dabhol 2B	230	15/04/2010	01.40		Continued.	Control System modification work	15/06/2010
FORCED OUTAGE							
Uran Unit 2	60	04/10/2008	19.00		Continued.	Gas Restriction	
Uran Unit 4	60	01/04/2009	00:00		Continued.	Gas Restriction	
Tata Trombay 4	150	01/12/2009	19:16		Continued.	W/Dn.	
Parli Unit 7	250	04/04/2010	17.16		Continued.	Flame/Failure.	15/04/2010
Cent_Sect TARAPUR-4	540	11/04/2010	09.58		Continued.	Reactor problem.	
Uran Unit 3	60	11/04/2010	14.14		Continued.	Gas restriction.	
Koradi Unit 2	105	11/04/2010	21.13		Continued.	BLR T/L.	21/04/2010
Dabhol 3A	230	13/04/2010	00.39	14/04/2010	21:19	Tripped due to air temp.high	
Dabhol 1B	230	13/04/2010	18.32	14/04/2010	03.13	Oil pressure low.	
Nasik Unit 1	125	13/04/2010	20.45	14/04/2010	19:50	Air Heater Trip	
Paras Unit 4	250	14/04/2010	09:36	14/04/2010	17:07	Tripped on Flame Failure.	
Chandrapur Unit 3	210	14/04/2010	11:02		Continued.	Water Balancing Work.	16/04/2010
Paras Unit 4	250	14/04/2010	23.23	15/04/2010	04.04	Aux.Supply failure	
Bhusawal Unit 2	210	14/04/2010	23.40	15/04/2010	02.24	Furnace pressure low.	
Koradi Unit 6	210	15/04/2010	05.29		Continued.	Abnormal Steam Temperature	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Apr/2010

Position as on 6.30 Hrs of 15/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Aurangabad - I	09/04/2010	13.00		Continued.	To control Aurangabad ICT loading.
Dhule-Sar'Sarovar - II	10/04/2010	08.06	14/04/2010	10.50	H/T For O/V.
Akola - Aurangabad - I	13/04/2010	00:43		Continued.	H/T
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV,315 MVA ICT-III at Lonikand.	10/04/2010	10.07		Continued.	L.V.side breaker problem.taken on TBC
Parli-Lonikand - II	11/04/2010	11.20		Continued.	Breaker O/H.line on TBC at Parli end.
Padgha-Nagothane-II	12/04/2010	12.07		Continued.	Bus side isolator work(line on TBC at Padgha end.)
Karad-New Koyna II	14/04/2010	13.34	14/04/2010	15.55	Snapping of Jumps from dead end at loc.no.197
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV,100 MVA ICT-I At Kalmeshwar	20/02/2010	10.34		Continued.	ICT replacement work.
220/132 KV 100 MVA ICT-II @ Chikali	07/04/2010	17.50		Continued.	Outage for replacement by 200 MVA ICT
220/132 KV,100 MVA T/F-II @ Malegaon	08/04/2010	08.55		Continued.	ICT to be replaced with new 200MVA ICT
220/132 KV,100MVA ICT-I at Beed	08/04/2010	09.15		Continued.	Agumentation of 100 MVA ICT by 200 MVA ICT
220/100KV,125MVA ICT-IV at Kalwa	11/04/2010	07.55		Continued.	Buchholz Alarm, kept of Humming on 14/04/2010
Ambazari-Amravati	12/04/2010	10.46		Continued.	Replacement of 220KV CTs and LAs
Trombay - Sonkar	14/04/2010	07.25	14/04/2010	18.52	Replacement of old conductor
220/132KV, 150 MVA ICT-I at Bale	14/04/2010	09.05	14/04/2010	12.50	Replacement of Buchholz relay
Apta-Kalwa	14/04/2010	10.16	14/04/2010	13.01	For Attending Red Hot.
Kolhapur-Karad-IV	14/04/2010	11.28	14/04/2010	13.21	For Attending Red Hot.
Mudshingi - Peth	14/04/2010	17.17	14/04/2010	19.05	Compressor Maint.Work at Peth End.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
132 KV Interconnector I at Bhusawal	07/04/2010	10.47		Continued.	Q.M.Work
Ranwad - Lasalgaon	14/04/2010	17.25	14/04/2010	18.30	Measurement of tan delta
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV,315 MVA ICT-II at Chandrapur	14/04/2010	16.20	14/04/2010	18.01	To attend Heavy Oil Leakage
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Apta-Uran-IV	14/04/2010	09.45	14/04/2010	11.09	removing of jumper for replacement of isolator
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Deepnagar - II	31/03/2010	16.13		Continued.	Handtripped
N.Koyna-jaigad-I	06/04/2010	17:30		Continued.	H/T.
Bhusawal- Aurangabad	09/04/2010	20.45		Continued.	To control A'Bad ICT Loading
Karad-Lamboti	14/04/2010	12.53	14/04/2010	13.14	For by passing line reactor
Karad-Lonikand.	14/04/2010	13.28	14/04/2010	16.02	Hand Tripped for Karad-N.Koyna-II outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Apr/2010

Position as on 6.30 Hrs of 15/Apr/2010

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/22 KV 50 MVA T/F - I @ Airoli	02/04/2010	23.02		Continued.	Hand Tripped.
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Buldhana-Motala	07/04/2010	10.00		Continued.	To control load ICT-I at 220KV Chikhali
Mehkar - Malegaon	07/04/2010	17.26		Continued.	Outage of ICT-II at Chikhali
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC Pole II Padgha	15/04/2010	03.46	15/04/2010	05.31	Tripped
Voltage Level : 220KV			Outage Type TRIPPED		
220/132 KV,150 MVA ICT At Theur.	04/04/2010	13.05		Continued.	Augmentation of ICT by new 200 MVA.
Bhira-Kandalgaon	13/04/2010	04.15	14/04/2010	12.30	B Ph.bus PT burst
Girwali - Parbhani	14/04/2010	13.10	14/04/2010	13.41	Distance protection
B'dying- Sahara	14/04/2010	13.43	14/04/2010	14.45	Tripped
Nasik-Kalwa-III	14/04/2010	14.16	14/04/2010	14.41	Distance Protection,B-ph.to Earth
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.
Ujani-Umarga	13/04/2010	04.25		Continued.	Y Ph.C.T.Burst at Ujani.
Ambazari - Amravati	14/04/2010	12.12	14/04/2010	12.42	Distance Protection
Ambazari-Arvi	14/04/2010	12.12	14/04/2010	13.17	Distance Protection
Arvi-Talegaon	14/04/2010	12.12	14/04/2010	12.53	Distance Protection
Khadka - Savda	15/04/2010	01.58	15/04/2010	03.16	B phase coupling capacitor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Apr/2010

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 1	105	70
Unit 2	105	0
Unit 3	105	60
Unit 4	105	60
Unit 5	200	140
Unit 6	210	0
Unit 7	210	170
	1040	500
Bhusawal		
Unit 1	58	25
Unit 2	210	195
Unit 3	210	195
	478	415
Parli		
Unit 1	30	22
Unit 2	30	22
Unit 3	210	0
Unit 4	210	180
Unit 5	210	180
Unit 6	250	250
Unit 7	250	
	1190	654
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	190
Unit 5	500	400
Unit 6	500	0
Unit 7	500	450
	2340	1180
Paras		
Unit 2	55	44
Unit 3	250	230
Unit 4	250	
	555	274
Khaparkheda		
Unit 1	210	210
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
	840	770
Nasik		
Unit 1	120	100
Unit 2	120	90
Unit 3	210	190
Unit 4	210	210
Unit 5	210	210
	870	800
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Uran		
All Units	852	620

Generating unit	Derated Capacity (MW)	OLC (MW)
	852	620
Hydro		
KDPH	40	38
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	12
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	26
ELDARY	23	0
SMLHY PTN	12	22
GHATGHAR	250	0
	611	310
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	1550
	960	1550
Tata		
Trombay 4	150	0
Trombay 5	500	400
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1777
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3143	3028
	3143	3028