



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Apr/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Apr/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.181	2562.958	1) Madhya Pradesh	58.775	1028.151
2) Hydro	25.923	458.922	2) Gujrat	30.970	656.985
3) Gas	14.627	295.923	3) Goa	-7.133	-134.470
Total MSGENCO	168.731	3317.803	4) TAPS 1&2 (Inj.)	7.884	126.531
B) OTHERS			5) Pench (Excess)	-0.092	-5.348
1) RGPPL Gas	34.939	693.335	# Total Cent. Sector	90.404	1671.849
2) Wind Generation	5.222	120.451	F) Other Exchanges		
3) CPP	25.913	482.095	1) With TPCL (Excess)	-14.020	-255.124
4) PENCH (MS)	0.092	5.348	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	14.065	290.483
1) TPCL Thermal	27.229	488.451	Include PX	0.000	2.294
2) TPCL Hydro	5.155	80.973	2) MUMBAI Bilateral	16.392	265.223
TOTAL TPCL	32.384	569.424	Include PX	0.562	25.916
3) REL Thermal	12.025	251.486	3) MUMBAI Schedule	16.392	267.598
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	167.435	3302.895	1) MSEDCL	311.281	6035.757
2) Hydro (A2+B3+C2)	31.170	545.243	2) TPCL	38.888	711.145
3) Gas (A3+B1)	49.566	989.258	3) REL	19.539	364.826
4) Wind (B2)	5.222	120.451	TOTAL STATE	369.708	7111.728
5) CPP (B3)	25.913	482.095			
TOTAL STATE	279.306	5439.942			

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	5315	5350	5333
MSGENCO Hydro	1234	1556	294
MSGENCO Gas	593	633	647
MSGENCO Total Generation	7142	7539	6274
Central Sector Receipt	4493	3633	3125
RGPPL	1461	1457	1448
WIND	72	180	465
CPP	1132	961	1118
Exchange with Mumbai	-746	-641	-422
MSEDCL DEMAND MET	13554	13129	12008
Load Shedding (LS)	272	204	0
MSEDCL DEMAND (INCL. LS)	13826	13333	12008
TPCL GENERATION	1719	1556	892
REL GENERATION	507	522	466
TPCL+REL DEMAND	2972	2719	1780
STATE DEMAND MET	16526	15848	13788
Load Management (LM)	2236	3475	1481
Total Load Relief (LS+LM)	2508	3679	1481
UNRESTRICTED STATE DEMAND	19034	19527	15269
Frequency (Hz)	49.78	49.50	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.63 Hz at 17.34 Hrs	49.1 Hz at 23.11 Hrs	49.82	.75 % of Time(min)

* 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 20/Apr/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	4.01	79.46	181	142	160
Unit 6	3.89	86.44	184	110	170
Unit 7	0.04	77.45	45	0	0
	7.94	243.36			330
Bhusawal					
Unit 2	3.68	78.36	175	125	180
Unit 3	4.30	77.97	190	160	185
Unit 4		0.00	0	0	
	7.98	156.32			365
Parli					
Unit 3	3.93	70.36	183	132	180
Unit 4	3.56	82.08	175	132	150
Unit 5	3.55	80.01	163	132	160
Unit 6	5.32	108.78	248	147	220
Unit 7	4.74	96.78	251	131	180
	21.11	438.01			890
Chandrapur					
Unit 1	3.88	72.68	171	140	165
Unit 2	3.82	58.59	169	139	165
Unit 3	4.59	85.23	197	183	200
Unit 4	3.88	65.34	180	135	180
Unit 5	10.32	207.44	460	405	450
Unit 6	10.44	206.86	465	400	450
Unit 7	10.54	146.79	455	406	450
	47.46	842.94			2060
Paras					
Unit 3	5.26	89.76	237	211	220
Unit 4	5.58	112.48	244	208	230
	10.84	202.25			450
Khaparkheda					
Unit 1	4.75	93.44	205	190	210
Unit 2	4.41	79.20	193	174	210
Unit 3	4.95	97.06	216	196	210
Unit 4	5.25	104.00	223	214	210
Unit 5		0.00	0	0	
	19.36	373.70			840
Nasik					
Unit 1	1.99	27.47	88	78	81
Unit 2	0.00	34.59	0	0	0
Unit 3	4.50	86.62	200	175	172
Unit 4	3.05	80.36	184	101	157
Unit 5	3.95	77.33	180	140	162
	13.49	306.38			572
Uran					
All Units	14.63	295.92	650	474	620
	14.63	295.92			620
Dabhol					
RGPPL	34.94	693.34	1546	1411	1380
	34.94	693.34			1380
Koyna					
Stage 1-2	5.30	104.83	525	40	600
Stage 4	11.67	193.14	1094	0	250
Stage 3	4.50	64.54	320	86	320
	21.48	362.52			1170
Kovna 12&4 Total	16.98	297.98			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.46	9.13	20	19	20
VTRNA	1.19	25.11	61	0	60
TILLARI	0.18	5.62	55	0	60
BHTGR/VEER	0.38	7.19	16	16	16
BHIRA T.R.	0.20	4.66	66	0	80
RNGR+BHTSA	0.31	6.74	13	13	13
BHANDARDRA	0.00	4.30	0	0	0
ELDARY	0.34	2.90	15	14	14
SMLHY PTN	0.74	18.98	38	28	12
GHATGHAR	0.64	11.78	125	0	
	4.44	96.40			275
PENCH (MS)					
Pench (MS)	0.09	5.35	26	0	
	0.09	5.35			
Wind					
MalharPeth	0.24	4.27			
Vankuswadi	0.38	8.34			
ATIT	0.21	2.56			
Kale	0.13	3.06			
Satara	0.26	8.20			
Shirala	0.15	3.62			
K Mahankal	0.05	2.71			
Supa	0.08	1.80			
Vita	0.51	15.56			
Dondaicha	1.88	46.53			
Sakri	0.34	7.16			
Nandurbar	0.22	5.66			
Khandke	0.44	5.89			
Khaparale	0.33	5.07			
	5.22	120.45			
CPP					
JSW JAIGAD	11.82	265.34	562	227	505
WARDHA	8.20	113.99	357	309	366
Other CPPs	5.90	102.77			
	25.91	482.10			871
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.19	206.88	490	380	500
Trombay 6	6.52	94.60	400	150	500
Trombay 7A	2.87	57.79	122	117	120
Trombay 7B	1.58	31.56	66	65	60
Trombay 8	5.08	97.64	250	150	250
TATA Hydro	5.16	80.97	461	0	447
	32.38	569.42			1877
REL					
1&2	12.02	251.49	525	464	500
	12.02	251.49			500
Cent Sect					
Share					3342
					3342

MS PG CL	Thermal	128.18	2562.96			5507
	Thml+Gas	142.81	2858.88			6127
	Hydro	25.92	458.92			1445
	Total	168.73	3317.80			7572
State Total		279.31	5439.94			15542

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/Apr/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	5358	725	644	6727	1412	354	1110	3118	3302	-726	-625	12280	2043	12280	2140	16463	49.84
2	5303	800	644	6747	1411	506	1128	3043	3110	-643	-524	12378	1927	12378	1960	16265	50.02
3	5334	496	646	6476	1426	492	1108	2975	3005	-643	-457	12050	1434	12050	1852	15336	49.95
4	5333	294	647	6274	1448	465	1118	2919	3125	-564	-422	12008	1481	12008	1780	15269	49.91
5	5417	273	650	6340	1472	441	1120	2893	3216	-564	-422	12167	1580	12167	1757	15504	49.85
6	5489	677	648	6814	1546	371	1140	2883	3054	-564	-412	12513	1828	12513	1794	16135	49.81
7	5474	845	602	6921	1482	171	1162	3121	3459	-564	-387	12808	1844	12808	1813	16465	49.97
8	5489	533	545	6567	1464	85	1136	3121	4171	-564	-413	13010	2142	13115	1916	17068	49.94
9	5417	687	474	6578	1464	54	1167	3181	4549	-564	-488	13324	2228	13515	2186	17738	49.95
10	5367	1215	561	7143	1466	79	1146	3413	4063	-751	-566	13331	2306	13551	2615	18252	49.89
11	5406	1035	501	6942	1465	108	1152	3669	4471	-751	-717	13421	2483	13682	2877	18781	49.98
12	5315	1234	593	7142	1461	72	1132	3669	4493	-751	-746	13554	2508	13826	2972	19034	49.78
13	5280	1346	609	7235	1455	49	1122	3669	4610	-735	-707	13764	2500	14028	2956	19220	49.85
14	5277	1195	600	7072	1454	41	1106	3669	4586	-702	-671	13588	2519	13871	2900	19007	49.83
15	5279	1829	609	7717	1455	49	1106	3548	4205	-708	-721	13811	2385	14135	2902	19098	49.71
16	5234	2078	614	7926	1456	66	1115	3434	4133	-735	-753	13943	2284	14247	2980	19207	49.82
17	5302	1914	626	7842	1458	113	977	3434	4206	-710	-681	13915	2274	14237	2929	19118	49.87
18	5331	1204	629	7164	1457	140	789	3434	4075	-693	-649	12976	2563	13344	2868	18407	49.97
19	5347	1073	629	7049	1457	200	783	3163	3775	-634	-559	12705	3313	12897	2696	18714	49.97
20	5350	1556	633	7539	1457	180	961	3334	3633	-713	-641	13129	3679	13333	2719	19527	49.50
21	5333	1542	630	7505	1458	214	1047	3373	3477	-762	-658	13057	3740	13315	2638	19435	49.58
22	5297	1292	632	7221	1458	296	1083	3373	3423	-762	-659	12848	3511	12877	2478	18837	49.56
23	5249	1056	629	6934	1431	337	1098	3191	3133	-782	-574	12385	3482	12385	2379	18246	49.57
24	5200	1024	632	6856	1426	339	1107	3101	3130	-806	-568	12316	3098	12316	2322	17736	49.56
MUs	128.18	25.92	14.63	168.73	34.94	5.22	25.91	78.73	90.40	-16.39	-14.02	311.28	59.15	314.88	58.43	428.86	49.82

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 20/Apr/2011

Position as on 6.30 Hrs of 21/Apr/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation Work.	27/04/2011
Cent_Sect NTPC(K-3)	210	31/03/2011	23.46		Continued.	Annual Overhaul	30/04/2011
Cent_Sect sipat-5	500	01/04/2011	00.14		Continued.	Annual Overall.	25/04/2011
Cent_Sect NTPC(V-4)	210	10/04/2011	00.01		Continued.	Annual overhaul.	10/05/2011
FORCED OUTAGE							
Nasik Unit 2	125	19/04/2011	22.58		Continued.	Boiler Tube Leakage	22/04/2011
Koradi Unit 7	210	20/04/2011	00.31		Continued.	Air Heater Problem	20/04/2011
Koyna Unit 1	75	20/04/2011	09.10		Continued.	TGB Cooler Problem.	23/04/2011
Uran Unit 7	108	20/04/2011	09.25	20/04/2011	9:25	Boiler W/D.	
CPP JSW (J) U2	300	20/04/2011	16.36	20/04/2011	18.30	Turbine Protection.	
Koyna ST - IV 3	250	20/04/2011	17.21	20/04/2011	23:40	Bearing Temp.High.	
Koyna Unit 12	80	20/04/2011	19.18	20/04/2011	20.45	Gulde Bearing Temp.High.	
CPP WPCL U-3	135	21/04/2011	02.40		Continued.	Withdrawn.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2011

Position as on 6.30 Hrs of 21/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lamboti - Solapur (PGCIL)	20/04/2011	11.19	20/04/2011	21.48	Replacement of R Ph. C T.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	03/04/2011	09.10		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbander.(up to 28.04.2011)
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	08/04/2011	10.35		Continued.	Replacement of relay & control pannel.up to 22.04.2011.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-S'Sarovar I	19/04/2011	23.11	20/04/2011	07.57	Over Voltage
Dhule - S'Sarovar- II	20/04/2011	22.45		Continued.	H/T ON OVERVOTAGE
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
50 MVAR Line Reactor of BSL-KORDY at BSL end	18/03/2011	12.51		Continued.	O/H Work up to 19.04.2011.
400/132KV 200 MVA ICT-II @ Bhusawal	06/04/2011	08.44		Continued.	Replacement of 132KV Side Bus-I & II Isolators of 200MVA 400/132KV ICT-II Under LES Scheme.LV side taken on TBC.
400/220 KV 100 MVA Spare Unit @ Koradi	14/04/2011	09.18		Continued.	Shifting to Replace R Ph Unit of ICT-I.
Auxiliary Bus At Aurangabad.	20/04/2011	08.45	20/04/2011	17.08	Stringing Work.
Newkoyna - Jaigad - I	20/04/2011	09.27	20/04/2011	20.11	Insulator Washing Work.
400/220KV 315MVA ICT- I @ Kharghar	20/04/2011	13.28	20/04/2011	16.11	To Attend Oil Leakage from Y Ph.H V Bushing.
Parli-Lonikand -I	21/04/2011	05.46		Continued.	Insulator Replacement Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
220/7 KV 20 MVA Stn.T/F-II at Korady	31/03/2011	10.47		Continued.	Oil Leakage.
Borivali-Boisar	03/04/2011	09.48		Continued.	LILO work of 220KV Borivali-Boiser at 220KV Ghodbandar(Up to 28/4/11)
Kalwa - Tifil	15/04/2011	09.42		Continued.	Stringing of 4th ckt. between Mahape S/S and TIFIL LILO Tower.,up to 22.04.2011.
220/132 KV 100 MVA ICT-II @ Parbhani	16/04/2011	11.38		Continued.	Augmentation by 200MVA ICT.
220/132 KV 100 MVA ICT-II @ Bhusawal	18/04/2011	10.20	20/04/2011	21.34	Replacement of Single Conductor to Double Conductor of Stub Bus.
Chandrapur-Wani	20/04/2011	08.51	20/04/2011	16.15	Replacement of Faulty Insulator.
Lamboti-Bale-I	20/04/2011	09.30	20/04/2011	15.47	Q.M.Work.
Usmanabad-Barshi	20/04/2011	10.02	20/04/2011	14.58	Q.M.Work.
Lamboti-Bale-II	20/04/2011	15.50	20/04/2011	18.18	Q.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus - II @ Bhusawal	18/04/2011	10.10	20/04/2011	21.07	Replacement of Single Conductor to Duuble Conductor of Stub Bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	19/04/2011	20.43	20/04/2011	04.53	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Apr/2011

Position as on 6.30 Hrs of 21/Apr/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	20/04/2011	20.27	21/04/2011	05.49	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
BBLSR-Waluj	09/04/2011	10.14		Continued.	To control A'bad ICT Loading.
Dhule-Chalisgaon	09/04/2011	15.54		Continued.	H/T to control Dhule ICTs over loading.
Bus Coupler at WPCL	13/04/2011	15.37		Continued.	At Warora end WPCL CKT-I Y phase PT Noise
Chandrapur-Warora - I	17/04/2011	15.00		Continued.	To control Warora-Hinganghat line loading.
Hingoli-Pusad	18/04/2011	13.07		Continued.	To control Wardha-Yavatmal load
Wardha-Abhijeet II	18/04/2011	13.09		Continued.	To control Koradi ICT load
Wardha-Abhijeet I	18/04/2011	17.05		Continued.	To control Koradi ICT Load
Khaperkheda - Wardha.	19/04/2011	19.36	20/04/2011	06.09	To control Koradi ICT-II Loading
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Supa - Shirur	07/03/2011	15.15		Continued.	To control Lonikand ICT Load
Voltage Level : 100KV			Outage Type HAND TRIPPED		
Kalwa - Salsette - II	05/04/2011	10.56		Continued.	From Kalwa End
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
220/110KV 200MVA ICT-II at Mudshingi	10/04/2011	18.10		Continued.	Differential Protection, Defective B Phase LA replaced(Kept on Humming at 16.30Hrs on 18/4/11)
Babaleshwar - Ranjangaon	20/04/2011	13.00	20/04/2011	13.18	Distance Protection.
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Mehakar	20/04/2011	00.16	20/04/2011	01.10	Y phase PT Burst at Mehkar S/S
Malegaon - Mehekar	20/04/2011	00.16	20/04/2011	02.15	Y Phase PT Burst at Mehkar S/S
Chalisgaon - Kannad	20/04/2011	20.15	20/04/2011	20.20	Tripped on FTR

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Apr/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	170
Unit 6	210	192
Unit 7	210	0
	620	362
Bhusawal		
Unit 2	210	170
Unit 3	210	185
Unit 4	0	0
	420	355
Parli		
Unit 3	210	180
Unit 4	210	150
Unit 5	210	160
Unit 6	250	200
Unit 7	250	200
	1130	890
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	190
Unit 4	210	180
Unit 5	500	450
Unit 6	500	450
Unit 7	500	350
	2340	1945
Paras		
Unit 3	250	220
Unit 4	250	230
	500	450
Khaparkheda		
Unit 1	210	200
Unit 2	210	190
Unit 3	210	200
Unit 4	210	210
Unit 5	0	0
	840	800
Nasik		
Unit 1	120	90
Unit 2	120	0
Unit 3	210	190
Unit 4	210	180
Unit 5	210	185
	870	645
Uran		
All Units	852	640
	852	640
Dabhol		
RGPP	1940	1380
	1940	1380
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	320
	1920	1100
Hydro		
KDPH	40	19

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	55
TILLARI	60	60
BHTGR/VEER	21	16
BHIRA T.R.	80	80
RNGR+BHTSA	20	13
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	12
GHATGHAR	250	0
	611	269
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	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	515
WARDHA	405	350
Other CPPs	0	
	1005	865
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	110
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3341
	3455	3341