



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

State Load Dispatch Center, Airoli

Daily system Report

for

16/Mar/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 16/Mar/2011 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	131.937	2167.038	1) Madhya Pradesh	42.210	860.798
2) Hydro	31.875	345.908	2) Gujrat	29.357	476.480
3) Gas	11.477	223.601	3) Goa	-6.214	-103.660
Total MSGENCO	175.289	2736.547	4) TAPS 1&2 (Inj.)	4.012	73.671
B) OTHERS			5) Pench (Excess)	-0.356	-4.394
1) RGPPL Gas	29.139	468.185	# Total Cent. Sector	69.009	1302.895
2) Wind Generation	4.505	53.597	F) Other Exchanges		
3) CPP	27.296	389.844	1) With TPCL (Excess)	-8.786	-155.614
4) PENCH (MS)	0.356	4.394	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.329	228.895
1) TPCL Thermal	28.102	387.623	Include PX	0.000	0.000
2) TPCL Hydro	5.663	60.019	2) MUMBAI Bilateral	8.497	155.511
TOTAL TPCL	33.765	447.642	Include PX	-0.356	26.548
3) REL Thermal	12.701	202.889	3) MUMBAI Schedule	8.497	155.511
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	172.740	2757.550	1) MSEDCL	296.808	4799.848
2) Hydro (A2+B3+C2)	37.894	410.321	2) TPCL	36.874	534.947
3) Gas (A3+B1)	40.616	691.786	3) REL	18.377	271.119
4) Wind (B2)	4.505	53.597	TOTAL STATE	352.059	5605.914
5) CPP (B3)	27.296	389.844			
TOTAL STATE	283.051	4303.098			

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	5424	5448	5720
MSGENCO Hydro	2146	1772	195
MSGENCO Gas	402	475	499
MSGENCO Total Generation	7972	7695	6414
Central Sector Receipt	2712	3366	2474
RGPPL	1212	1244	1182
WIND	281	161	167
CPP	1187	1227	955
Exchange with Mumbai	-489	-556	-202
MSEDCL DEMAND MET	12902	13177	10990
Load Shedding (LS)	686	144	0
MSEDCL DEMAND (INCL. LS)	13588	13321	10990
TPCL GENERATION	1782	1640	900
REL GENERATION	530	527	530
TPCL+REL DEMAND	2801	2723	1632
STATE DEMAND MET	15703	15900	12622
Load Management (LM)	2320	3652	2018
Total Load Relief (LS+LM)	3006	3796	2018
UNRESTRICTED STATE DEMAND	18709	19696	14640
Frequency (Hz)	49.59	49.86	49.79

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 18.03 Hrs	49.22 Hz at 09.14 Hrs	49.7	0 % 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 16/Mar/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.03	50.61	34	0	0
Unit 6	4.42	67.62	190	171	180
Unit 7	4.80	61.34	205	195	200
	9.25	179.57			380
Bhusawal					
Unit 2	1.58	61.92	165	0	160
Unit 3	4.06	69.76	185	155	160
Unit 4			0	0	
	5.64	131.68			320
Parli					
Unit 3	3.78	68.17	178	137	170
Unit 4	4.03	66.31	183	155	185
Unit 5	3.98	67.71	180	160	165
Unit 6	5.32	75.09	246	190	240
Unit 7	4.99	73.56	241	114	230
	22.10	350.84			990
Chandrapur					
Unit 1	3.86	62.09	169	150	165
Unit 2	3.92	63.52	172	149	165
Unit 3	4.40	40.98	200	151	200
Unit 4	4.44	70.99	195	156	190
Unit 5	9.28	181.07	490	0	470
Unit 6	11.21	177.86	491	430	480
Unit 7	10.67	174.43	495	345	480
	47.78	770.94			2150
Paras					
Unit 3	5.99	92.14	260	210	250
Unit 4	5.94	71.16	263	220	250
	11.92	163.30			500
Khaparkheda					
Unit 1	4.60	78.46	200	175	200
Unit 2	4.71	75.74	205	189	205
Unit 3	4.32	79.39	205	160	180
Unit 4	5.20	81.97	222	195	220
Unit 5			0	0	
	18.83	315.57			805
Nasik					
Unit 1	2.07	25.90	94	80	95
Unit 2	2.05	32.08	91	78	95
Unit 3	4.16	68.32	185	160	180
Unit 4	4.10	70.87	187	136	190
Unit 5	4.04	57.97	187	143	190
	16.42	255.15			750
Uran					
All Units	11.48	223.60	630	378	475
	11.48	223.60			475
Dabhol					
RGPPL	29.14	468.18	1258	1180	1380
	29.14	468.18			1380
Koyna					
Stage 1-2	7.34	69.69	555	40	600
Stage 4	13.82	148.27	1121	0	250
Stage 3	4.44	46.75	320	0	320
	25.61	264.71			1170
Kovna 12&4 Total	21.16	217.96			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.92	4.71	39	38	36
VTRNA	1.01	16.26	61	0	60
TILLARI	0.46	6.76	60	0	60
BHTGR/VEER	0.36	3.62	15	15	15
BHIRA T.R.	0.27	3.18	70	0	80
RNGR+BHTSA	0.36	5.88	16	14	16
BHANDARDRA	0.65	0.82	30	26	0
ELDARY	0.40	3.19	23	10	10
SMLHY PTN	0.84	15.53	35	34	35
GHATGHAR	1.02	21.25	125	0	0
	6.27	81.20			312
PENCH (MS)					
Pench (MS)	0.36	4.39	48	0	
	0.36	4.39			
Wind					
MalharPeth	0.22	2.01			
Vankuswadi	0.49	4.82			
ATIT	0.02	0.80			
Kale	0.19	1.82			
Satara	0.20	3.83			
Shirala	0.21	1.89			
K Mahankal	0.70	2.27			
Supa	0.16	1.94			
Vita	1.13	9.08			
Dondaicha	0.17	13.24			
Nandurbar	0.05	1.58			
Khandke	0.55	5.46			
Khaparale	0.34	2.50			
	4.44	51.24			
CPP					
JSW JAIGAD	13.64	179.45	611	504	550
WARDHA	7.86	114.37	361	220	366
Other CPPs	5.80	96.02			
	27.30	389.84			916
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.05	168.10	490	400	500
Trombay 6	6.76	78.21	500	150	500
Trombay 7A	2.84	46.47	127	110	120
Trombay 7B	1.61	25.80	69	66	60
Trombay 8	5.84	69.05	252	155	250
TATA Hydro	5.66	60.02	428	0	447
	33.76	447.64			1877
REL					
1&2	12.70	202.89	530	527	500
	12.70	202.89			500
Cent Sect					
Share					3019
					3019

MS PG CL	Thermal	131.94	2167.04		5895
	Thml+Gas	143.41	2390.64		6370
	Hydro	31.88	345.91		1482
	Total	175.29	2736.55		7852
State Total		283.05	4303.10		15544

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 16/Mar/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	5697	189	497	6383	1188	123	991	2716	2335	-233	-225	10795	3162	10795	1934	15891	49.58
2	5716	184	497	6397	1180	142	1008	2649	2132	-159	-150	10709	3162	10709	1755	15626	49.80
3	5720	195	499	6414	1182	167	955	2693	2474	-201	-202	10990	2018	10990	1632	14640	49.79
4	5694	186	502	6382	1180	176	989	2669	2943	-176	-182	11488	1656	11488	1608	14752	49.75
5	5701	467	508	6676	1182	182	988	2578	2848	-84	-66	11810	1762	11810	1585	15157	49.67
6	5663	1073	507	7243	1181	187	1065	2470	2277	25	-26	11927	2152	11955	1597	15676	49.65
7	5717	1204	512	7433	1195	184	1178	2575	2636	-107	-99	12527	2595	12801	1764	16886	49.65
8	5774	1433	514	7721	1202	145	1182	2612	2898	-146	-172	12976	2789	13444	1846	17611	49.83
9	5758	1388	484	7630	1203	109	1197	2810	3158	-351	-340	12957	2766	13402	2157	17880	49.81
10	5741	2057	448	8246	1209	118	1181	2810	2872	-351	-368	13258	2954	13894	2495	18707	49.69
11	5540	1846	415	7801	1215	182	1186	2864	2791	-402	-424	12776	2992	13446	2677	18445	49.70
12	5424	2146	402	7972	1212	281	1187	2912	2712	-450	-489	12902	3006	13588	2801	18709	49.59
13	5425	1998	404	7827	1211	234	1176	2991	3009	-530	-518	12979	3162	13821	2827	18968	49.61
14	5453	1933	389	7775	1212	247	1185	2979	2972	-506	-531	12886	3143	13709	2737	18766	49.73
15	5072	2223	378	7673	1235	248	1165	3042	3003	-530	-551	12773	3017	13643	2770	18560	49.54
16	5063	2359	393	7815	1257	229	1103	3109	3119	-530	-564	12959	3107	13919	2774	18840	49.62
17	5055	2307	409	7771	1255	240	1151	3159	3037	-530	-544	12910	3046	13827	2801	18757	49.63
18	5195	2146	428	7769	1258	205	1228	3136	3302	-506	-517	13245	2841	14170	2676	18762	49.71
19	5324	1280	520	7124	1258	141	1231	3025	3485	-506	-496	12769	3713	13293	2662	19144	49.92
20	5448	1772	475	7695	1244	161	1227	3130	3366	-555	-556	13177	3796	13321	2723	19696	49.86
21	5466	1585	493	7544	1228	185	1228	3052	2957	-429	-454	12728	3724	12800	2546	18998	49.76
22	5530	1054	566	7150	1222	200	1233	2948	2783	-320	-353	12282	3650	12284	2422	18354	49.71
23	5404	614	607	6625	1218	201	1151	3057	3230	-515	-539	11934	3647	11937	2302	17883	49.64
24	5357	236	630	6223	1212	218	1111	2909	2670	-399	-420	11051	3644	11051	2161	16856	49.59
MUs	131.94	31.88	11.48	175.29	29.14	4.50	27.30	68.90	69.01	-8.50	-8.79	296.81	71.50	306.10	55.25	423.56	49.70

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 16/Mar/2011

Position as on 6.30 Hrs of 17/Mar/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 2	80	04/03/2011	01.25		Continued.	Refueling Work.	04/04/2011
Dabhol 1B	230	15/03/2011	02.37		Continued.	Upgradation work	25/04/2011
FORCED OUTAGE							
Uran Unit 5	108	11/03/2011	01.35	16/03/2011	18.52	Filter replacement	
Koradi Unit 5	200	13/03/2011	09.26	16/03/2011	23.00	PA Fan Tripped	
Cent_Sect NTPC(V-8)	500	15/03/2011	08.06	16/03/2011	13.31	Boiler Tube Leakage.	
Cent_Sect NTPC(K-5)	500	15/03/2011	12:15	17/03/2011	02.59	Boiler tube leakage.	
Bhusawal Unit 2	210	16/03/2011	10:22		Continued.	Boiler tube leakage.	20/03/2011
Koyna Unit 2	75	16/03/2011	13.15	16/03/2011	15.20	Tech.Work.	
Chandrapur Unit 5	500	16/03/2011	14.05	16/03/2011	17.07	Flame Failure.	
Koyna ST-IV 2	250	16/03/2011	22.00	17/03/2011	04.40	Shaft Seal Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Mar/2011

Position as on 6.30 Hrs of 17/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalmeshwar - Pandurna	14/03/2011	11.18		Continued.	Relay Retrofitting Work for 4 days Outage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	14/03/2011	23.35		Continued.	Over Voltage
Kolhapur - Mapusa - I	15/03/2011	22.12	16/03/2011	08.30	Over Voltage.
Akola - Wardha - II	15/03/2011	23.50	16/03/2011	07.20	Over Voltage.
Akola - Wardha - I	16/03/2011	21.57		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillary-Amona	17/03/2011	04.51		Continued.	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT @ Akola	15/03/2011	08.15		Continued.	1)Maintenance of 220KV Interconnecting Tower Line (8 No Tower) of ICT (OF Differential Zone) 2) Replacement of 33KV PT No 3 of 33 KV Delta of ICT by New PT.3) Q.M.Work.
400/220 KV 315 MVA ICT - II @ Parli	15/03/2011	11.12	16/03/2011	16.08	Attending Hot Spot @ B Ph of 220 KV Side 29D Isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(6 MonthOutage.)
220/100 KV125 MVA ICT-III @Trombay	06/01/2011	12.03		Continued.	Augmentation by New 200 MVA ICT up to 20.03.2011.
Borivali-Mulund	06/02/2011	22.17		Continued.	From Borivali end for strengthening Mumbai system up to 30.03.11
220/110 KV 100 MVA T/F - II @ Mudshingi	07/02/2011	15.12		Continued.	Augmentation by 200 MVA.up to 30/03/11
Tifil-Trombay	13/02/2011	09.50		Continued.	Stringing of New Ckt.Between loc.no.22-39 on Newly Erected
220/132 KV 150 MVA ICT-I @ Dhule	26/02/2011	10.55		Continued.	Repl.of 150MVA ICT by 200MVA ICT up to 31.03.2011
220/100KV 125 MVA ICT-II @ Kalwa	28/02/2011	11.10		Continued.	Augmetation to 200 MVA up to 31.03.2011.
220 KV TBC At Parbhani.	09/03/2011	10.30		Continued.	Breaker Overhaul.
Nasik-Padgha	11/03/2011	09.16	16/03/2011	19.13	Shifting of Towers at Talegaon
Raymond-Washala	11/03/2011	09.31	16/03/2011	19.20	Shifting of Towers at Talegaon.
Tarapur Zone-I	14/03/2011	09.37		Continued.	Refuelling work
Bhugaon-Pusad	15/03/2011	12.35		Continued.	Breaker Overhaul Work (3 Days) Ckt is on TBC.
Bale-Usmanabad	16/03/2011	05.54	16/03/2011	18.38	Mid Span Joint Work on Loc. 125-126.Charge from Usmanabad end
Khaparkhedha - Kanhan - I	16/03/2011	06.57	16/03/2011	19.27	Replacement of Faulty Disc Insulator.
Gangapur - Valve - I	16/03/2011	09.02	16/03/2011	18.18	Annual Maintenance Work.
Valve-Jamde	16/03/2011	09.25	16/03/2011	18.18	Annual Maintenance Work.
Dondaicha - Jamde - I	16/03/2011	09.30	16/03/2011	17.30	For Providing Missing Elements of Location No.37.
Dondaicha - Jamde - II.	16/03/2011	09.30	16/03/2011	17.45	For Providing Missing Elements of Location No.37.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 16/Mar/2011

Position as on 6.30 Hrs of 17/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
Badnera - Akola - I	16/03/2011	09.50	16/03/2011	14.10	For Retrofitting of Backup Relay & Quarterly Maintenance Work.
220/132KV 200MVA ICT @ Beed	16/03/2011	10.00	16/03/2011	16.05	Oil Indicator of Conservator & Aero Seal Commissioning of Newly Commissioned BBL.
Main Bus @ Karkumbh	16/03/2011	10.15	16/03/2011	16.50	Q.M.Work.
Badnera-Akola-II	16/03/2011	14.25	16/03/2011	16.45	For Retrofitting of Backup Relay & Quarterly Maintenance Work.
220/110KV 100 MVA ICT-II @ Miraj.	16/03/2011	18.10	16/03/2011	21.05	Tandelta Measurment of H V & L V Side Bushing.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
400/220 KV 315 MVA ICT-III @ Padgha	16/03/2011	20.25	17/03/2011	00.09	To Attend Oil Leakage in R Ph L V Side Bushing.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
LV CB of 400/220 kv 315 MVA ICT-1 @ Parli	11/02/2011	22:43		Continued.	PDR problem (ICT LV side is on TBC)
Vita - Karkambh	16/03/2011	10.17	16/03/2011	16.14	Attending Hot Spot & Repairing Work of Isolator.
Voltage Level : 132KV			Outage Type FORCED OUTAGE		
Paras - Akot	16/03/2011	11.15	16/03/2011	14.25	To Attend Oil Leakage of Y Ph. C T.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	15/03/2011	20.01	16/03/2011	04.52	Over Voltage.
Karad - Kolhapur - II	15/03/2011	22.00	16/03/2011	08.16	Over Voltage.
Karad - Kolhapur - I	16/03/2011	23.29		Continued.	Over Voltage
Bhusawal- Aurangabad	17/03/2011	01.30	17/03/2011	03.50	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha-Abhijeet II	05/03/2011	07.49		Continued.	To control 220KV A'zari-AEPL loading.
Babaleshwar - Bhenda	05/03/2011	20.47		Continued.	For BBLSR ICT-I outage.
Alephata-Kathapur	06/03/2011	07.52		Continued.	To control Load on BBLSR ICT
Dhule-Chalisingaon	09/03/2011	10.40		Continued.	To Control Dhule ICT Loading.
Chandrapur-Warora - I	11/03/2011	21.53		Continued.	To control Warora-Hinganghat loading.
Aurangabad - Babaleshwar	13/03/2011	17.10		Continued.	To Control BBLSR ICT Load
Padgha-Temghar	16/03/2011	20.24	17/03/2011	00.11	To Control ICT Loading @ Padgha.
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 - Salshet - I	18/02/2011	10.56		Continued.	From Kalwa End
Voltage Level : 220KV			Outage Type TRIPPED		
Nagothane-Mahad	16/03/2011	13.33	16/03/2011	13.57	Distance Protection Y-B.
Kandalgaon - Pirangut	16/03/2011	14.15	16/03/2011	14.39	Distance Protection Y-E.
Pedambe-Tambati	16/03/2011	15.00	16/03/2011	15.26	Distance Protection.
Nagothane-Mahad	16/03/2011	15.06	16/03/2011	19.49	Distance Protection.
Kandalgaon - Dasturi	16/03/2011	16.12	16/03/2011	16.39	Distance Protection.
Kandalgaon - Dasturi	16/03/2011	17.40	16/03/2011	18.15	Distance Protection.
Halkarni -Tillary	17/03/2011	04.51		Continued.	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 17/Mar/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	170
Unit 7	210	210
	620	540
Bhusawal		
Unit 2	210	0
Unit 3	210	200
Unit 4	0	
	420	200
Parli		
Unit 3	210	190
Unit 4	210	185
Unit 5	210	165
Unit 6	250	200
Unit 7	250	210
	1130	950
Chandrapur		
Unit 1	210	170
Unit 2	210	130
Unit 3	210	190
Unit 4	210	160
Unit 5	500	490
Unit 6	500	480
Unit 7	500	480
	2340	2100
Paras		
Unit 3	250	163
Unit 4	250	226
	500	389
Khaparkheda		
Unit 1	210	210
Unit 2	210	210
Unit 3	210	210
Unit 4	210	210
Unit 5	0	
	840	840
Nasik		
Unit 1	120	90
Unit 2	120	90
Unit 3	210	170
Unit 4	210	170
Unit 5	210	180
	870	700
Uran		
All Units	852	630
	852	630
Dabhol		
RGPP	1940	1380
	1940	1380
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	36

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	60
TILLARI	60	60
BHTGR/VEER	21	22
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	35
GHATGHAR	250	0
	611	308
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	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	550
WARDHA	405	366
Other CPPs	0	
	1005	916
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1877
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3177
	3455	3177