



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

State Load Dispatch Center, Airoli

Daily system Report

for

17/Mar/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 17/Mar/2011 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	136.173	2303.211	1) Madhya Pradesh	48.053	908.851
2) Hydro	22.022	367.930	2) Gujrat	26.701	503.181
3) Gas	15.254	238.855	3) Goa	-6.222	-109.882
Total MSGENCO	173.449	2909.996	4) TAPS 1&2 (Inj.)	4.001	77.672
B) OTHERS			5) Pench (Excess)	-0.197	-4.591
1) RGPPL Gas	29.451	497.636	# Total Cent. Sector	72.336	1375.231
2) Wind Generation	3.130	56.727	F) Other Exchanges		
3) CPP	27.669	417.513	1) With TPCL (Excess)	-8.744	-164.358
4) PENCH (MS)	0.197	4.591	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	12.937	241.832
1) TPCL Thermal	29.141	416.764	Include PX	0.000	0.000
2) TPCL Hydro	5.318	65.337	2) MUMBAI Bilateral	8.545	164.057
TOTAL TPCL	34.459	482.101	Include PX	-0.260	26.289
3) REL Thermal	12.704	215.593	3) MUMBAI Schedule	8.545	164.057
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	178.018	2935.568	1) MSEDCL	297.488	5097.336
2) Hydro (A2+B3+C2)	27.537	437.858	2) TPCL	37.412	572.359
3) Gas (A3+B1)	44.705	736.491	3) REL	18.494	289.613
4) Wind (B2)	3.130	56.727	TOTAL STATE	353.394	5959.308
5) CPP (B3)	27.669	417.513			
TOTAL STATE	281.059	4584.157			

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	5706	5711	5496
MSGENCO Hydro	1476	1081	200
MSGENCO Gas	588	630	661
MSGENCO Total Generation	7770	7422	6357
Central Sector Receipt	3122	3501	2315
RGPPL	1223	1226	1225
WIND	172	47	212
CPP	1155	1214	1011
Exchange with Mumbai	-466	-553	-73
MSEDCL DEMAND MET	12976	12884	11047
Load Shedding (LS)	371	38	0
MSEDCL DEMAND (INCL. LS)	13347	12922	11047
TPCL GENERATION	1840	1613	1141
REL GENERATION	529	529	530
TPCL+REL DEMAND	2835	2695	1744
STATE DEMAND MET	15811	15579	12791
Load Management (LM)	2349	3630	2007
Total Load Relief (LS+LM)	2720	3668	2007
UNRESTRICTED STATE DEMAND	18531	19247	14798
Frequency (Hz)	49.72	49.79	49.71

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.42 Hz at 18.03 Hrs	49.24 Hz at 23.03 Hrs	49.73	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 17/Mar/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.50	54.11	166	40	160
Unit 6	3.92	71.54	184	146	170
Unit 7	4.65	65.98	210	175	210
	12.07	191.64			540
Bhusawal					
Unit 2	0.00	61.92	0	0	0
Unit 3	4.30	74.06	190	170	200
Unit 4			0	0	
	4.30	135.98			200
Parli					
Unit 3	4.49	72.65	200	172	190
Unit 4	4.23	70.54	186	140	185
Unit 5	4.17	71.88	186	143	165
Unit 6	5.12	80.20	242	181	200
Unit 7	5.16	78.72	254	114	210
	23.16	374.00			950
Chandrapur					
Unit 1	3.83	65.92	167	149	170
Unit 2	3.72	67.24	164	128	130
Unit 3	4.40	45.38	197	158	190
Unit 4	3.89	74.88	180	140	160
Unit 5	11.36	192.43	495	454	490
Unit 6	11.13	188.98	485	425	480
Unit 7	11.49	185.92	485	462	480
	49.81	820.75			2100
Paras					
Unit 3	5.43	97.57	260	147	163
Unit 4	5.86	77.02	257	223	226
	11.29	174.58			389
Khaparkheda					
Unit 1	4.54	83.00	195	170	210
Unit 2	4.66	80.39	200	182	210
Unit 3	5.04	84.43	220	184	210
Unit 4	5.19	87.16	221	213	210
Unit 5			0	0	
	19.42	334.99			840
Nasik					
Unit 1	1.96	27.86	87	70	90
Unit 2	2.00	34.08	87	78	90
Unit 3	3.80	72.12	180	130	170
Unit 4	4.31	75.18	190	164	170
Unit 5	4.04	62.01	180	153	180
	16.11	271.26			700
Uran					
All Units	15.25	238.86	673	588	630
	15.25	238.86			630
Dabhol					
RGPPL	29.45	497.64	1245	1207	1380
	29.45	497.64			1380
Koyna					
Stage 1-2	3.88	73.57	430	30	600
Stage 4	8.87	157.14	734	0	250
Stage 3	2.92	49.67	240	0	320
	15.67	280.37			1170
Kovna 12&4 Total	12.75	230.71			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.67	5.37	39	0	36
VTRNA	1.11	17.37	61	0	60
TILLARI	0.37	7.13	60	0	60
BHTGR/VEER	0.34	3.97	15	14	22
BHIRA T.R.	0.34	3.51	82	0	80
RNGR+BHTSA	0.35	6.23	15	14	15
BHANDARDRA	0.63	1.45	30	25	0
ELDARY	0.42	3.60	23	15	0
SMLHY PTN	1.30	16.83	55	54	35
GHATGHAR	0.84	22.09	125	0	0
	6.35	87.56			308
PENCH (MS)					
Pench (MS)	0.20	4.59	53	0	
	0.20	4.59			
Wind					
MalharPeth	0.14	2.15			
Vankuswadi	0.39	5.21			
ATIT	0.05	0.85			
Kale	0.14	1.96			
Satara	0.13	3.96			
Shirala	0.12	2.01			
K Mahankal	0.54	2.80			
Supa	0.06	2.00			
Vita	1.14	10.21			
Dondaicha	0.19	13.43			
Nandurbar	0.02	1.60			
Khandke	0.11	5.57			
Khaparale	0.06	2.56			
	3.08	54.32			
CPP					
JSW JAIGAD	13.78	193.24	619	497	550
WARDHA	7.93	122.31	373	248	366
Other CPPs	5.95	101.97			
	27.67	417.51			916
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.74	177.84	480	250	500
Trombay 6	8.90	87.11	500	150	500
Trombay 7A	2.88	49.35	125	114	120
Trombay 7B	1.61	27.41	68	66	60
Trombay 8	6.01	75.06	252	250	250
TATA Hydro	5.32	65.34	426	0	447
	34.46	482.10			1877
REL					
1&2	12.70	215.59	530	528	500
	12.70	215.59			500
Cent Sect					
Share					3177
					3177

MS PG CL	Thermal	136.17	2303.21			5719
	Thml+Gas	151.43	2542.07			6349
	Hydro	22.02	367.93			1478
	Total	173.45	2910.00			7827
State Total		281.06	4584.16			15677

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/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	5425	200	651	6276	1223	292	1029	2868	2405	-253	-318	10907	3128	10907	1973	16008	49.61
2	5500	200	656	6356	1226	256	1021	2801	2019	-180	-203	10675	3128	10675	1858	15661	49.71
3	5496	200	661	6357	1225	212	1011	2678	2315	-53	-73	11047	2007	11047	1744	14798	49.71
4	5560	250	664	6474	1227	164	1010	2661	2791	-1	-42	11624	1659	11624	1638	14921	49.73
5	5514	420	667	6601	1228	125	1044	2684	2772	27	-8	11762	1751	11762	1629	15142	49.76
6	5549	613	670	6832	1228	99	1124	2831	2840	-82	-105	12018	2046	12024	1725	15789	49.79
7	5656	808	673	7137	1229	93	1195	2920	3007	-132	-163	12498	2349	12570	1794	16641	49.83
8	5642	961	671	7274	1237	73	1206	3035	3442	-253	-272	12960	2383	13066	1912	17255	49.94
9	5708	843	648	7199	1240	55	1215	3128	3468	-349	-367	12810	2554	13087	2114	17478	49.89
10	5743	1226	639	7608	1238	59	1206	3128	3246	-349	-386	12971	2651	13349	2522	18144	49.78
11	5785	1263	602	7650	1227	128	1106	3206	3193	-423	-445	12859	2646	13247	2764	18269	49.76
12	5706	1476	588	7770	1223	172	1155	3231	3122	-446	-466	12976	2720	13347	2835	18531	49.72
13	5775	1464	590	7829	1219	133	1224	3309	3220	-526	-520	13105	2722	13478	2818	18645	49.64
14	5782	1566	594	7942	1218	151	1229	3284	3012	-503	-492	13060	2684	13395	2699	18443	49.67
15	5785	1556	592	7933	1221	127	1211	3318	3179	-526	-515	13156	2437	13462	2755	18348	49.59
16	5739	1715	604	8058	1229	134	1222	3318	3269	-526	-507	13405	2489	13763	2808	18702	49.58
17	5811	1726	602	8139	1232	103	1221	3318	3006	-526	-509	13192	2500	13598	2779	18471	49.66
18	5787	1458	624	7869	1240	76	1231	3294	3393	-503	-480	13329	2337	13770	2691	18357	49.78
19	5760	854	629	7243	1245	41	1171	3190	3306	-503	-478	12528	3462	12818	2661	18651	49.94
20	5711	1081	630	7422	1226	47	1214	3380	3501	-572	-553	12884	3668	12922	2695	19247	49.79
21	5703	759	658	7120	1224	97	1214	3327	3456	-500	-493	12671	3630	12671	2589	18890	49.71
22	5691	761	647	7099	1224	164	1198	3223	2933	-391	-393	12277	3630	12277	2427	18334	49.71
23	5695	364	642	6701	1215	173	1122	3236	2844	-532	-525	11569	3630	11569	2301	17500	49.66
24	5650	258	652	6560	1207	156	1090	3112	2595	-441	-431	11203	3630	11203	2176	17009	49.60
MUs	136.17	22.02	15.25	173.45	29.45	3.13	27.67	74.48	72.33	-8.55	-8.74	297.49	65.84	301.63	55.91	419.23	49.73

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 17/Mar/2011

Position as on 6.30 Hrs of 18/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							
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 ST-IV 2	250	16/03/2011	22.00	17/03/2011	04.40	Shaft Seal Leakage.	
Cent_Sect NTPC(K-4)	500	17/03/2011	21.00		Continued.	BLR T/L.	20/03/2011

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Mar/2011

Position as on 6.30 Hrs of 18/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	17/03/2011	18.37	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
Akola - Wardha - I	16/03/2011	21.57	17/03/2011	08.54	Over Voltage.
Kolhapur - Mapusa - II	16/03/2011	22.02	17/03/2011	08.49	Over Voltage.
Kolhapur - Mapusa - I	18/03/2011	00.46		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Kalmeshwar - Pandurna	17/03/2011	19:14	17/03/2011	20:56	Relay Problem.
Voltage Level : 220KV			Outage Type TRIPPED		
Tillari-Amona-II	17/03/2011	04.51	17/03/2011	15.20	Distance Protection.
Halkarni-Amona I	17/03/2011	11.25	17/03/2011	13.38	Distance Protection.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT @ Akola	15/03/2011	08.15	17/03/2011	21.13	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 @ Koradi.	17/03/2011	09.31	17/03/2011	21.57	Replacement of Y-Ph CT of HV side.
Chandrapur - Parli - III	17/03/2011	10.05	17/03/2011	16.31	Armoving the damaged conductor at Loc.No.875-876.
400/220 KV 500 MVA ICT - II @ Jejuri	17/03/2011	10.40	17/03/2011	19.02	Replacement of 33KV Y-Ph PT and Installation of oil pump of Y-Ph.
Lonikand - Parli - II	17/03/2011	11.09	17/03/2011	19.17	Replacement of defective insulator.
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	17/03/2011	18:26	Augmentation by New 200 MVA ICT, 17.03.2011.at 18.26Hrs Kept on humming.
Borivali-Mulund	06/02/2011	22.17		Continued.	From Borivali end for strengthing 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	17/03/2011	17.05	Breaker Overhaul.
Tarapur Zone-I	14/03/2011	09.37		Continued.	Refuelling work
Bhugaon-Pusad	15/03/2011	12.35	17/03/2011	14.52	Breaker Overhaul Work (3 Days) Ckt is on TBC.
Khaparkhedha - Kanhan - I	17/03/2011	06.48	17/03/2011	18.56	Jumpering work.
220/100 KV 200 MVA T/F	17/03/2011	09.02	17/03/2011	14.50	LV Side R-Ph pole of CB

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 17/Mar/2011

Position as on 6.30 Hrs of 18/Mar/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
- IV @ Apta					Replacement.
220KV Bus Section I at 220KV Kalwa	17/03/2011	09.04		Continued.	Replacement of CT's and commissioning of new control and relay panels up to 18.03.2011.
Kandalgaon - Dasturi	17/03/2011	09.15	17/03/2011	18.15	Replacement of insulator and E/W.
Apta-Bombay Dyeing	17/03/2011	09.48	17/03/2011	18.05	Replacement of faulty Insulator.
220/66 KV 150 MVA ICT- I @ Gadchandur	17/03/2011	12.11	17/03/2011	18.18	Maintenance work.
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.
400/220 KV 315 MVA ICT- III @ Padgha	18/03/2011	00.32	18/03/2011	06:44	R-Ph LV Side bushing leakage.(06.14Hrs kept on humming)
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)
Jambhul - Anandnagar	17/03/2011	16.10	17/03/2011	17.53	CT Oil leakage.
Kalwa - Borivali	17/03/2011	22.35	18/03/2011	04.21	B-Ph CT Bello Expanded due to gas formation.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	16/03/2011	23.29	17/03/2011	07.57	Over Voltage
Bhusawal- Aurangabad	17/03/2011	01.30	17/03/2011	03.50	Over Voltage.
Karad - Kolhapur - II	18/03/2011	00.11	18/03/2011	06.00	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.
Khaperkheda - Wardha.	17/03/2011	19.00	17/03/2011	21.00	To control Koradi ICT O/L.
Padgha-Temghar	17/03/2011	23.35	18/03/2011	07:05	Due to outage on Padgha ICT-III.
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		
Halkarni -Tillary	17/03/2011	04.51	17/03/2011	05.41	Distance Protection.
Apta-Kalwa	17/03/2011	12.00	17/03/2011	12.15	Distance Protection.
Pophali - KDPH	17/03/2011	12.50	17/03/2011	14.12	Distance Protection.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 18/Mar/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	160
Unit 6	210	160
Unit 7	210	190
	620	510
Bhusawal		
Unit 2	210	0
Unit 3	210	180
Unit 4	0	
	420	180
Parli		
Unit 3	210	192
Unit 4	210	177
Unit 5	210	163
Unit 6	250	235
Unit 7	250	225
	1130	992
Chandrapur		
Unit 1	210	165
Unit 2	210	160
Unit 3	210	200
Unit 4	210	185
Unit 5	500	490
Unit 6	500	480
Unit 7	500	480
	2340	2160
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
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	81
Unit 2	120	81
Unit 3	210	162
Unit 4	210	172
Unit 5	210	182
	870	678
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	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	61
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	49
GHATGHAR	250	0
	611	287
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	312
Other CPPs	0	
	1005	862
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	397
	2024	1827
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	3207
	3455	3207