



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Mar/2012 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.959	2219.188	1) Gujrat	11.020	167.540
2) Hydro	10.736	134.705	2) Madhya Pradesh	24.771	340.871
3) Gas	11.103	203.186	3) Chattisgarh	14.380	210.120
Total MSGENCO	139.798	2557.079	4) Maharashtra	59.019	890.663
B) OTHERS			5) Goa	-6.106	-111.156
1) JSW JAIGAD	6.537	431.143	6) TAPS 1&2 Injection	7.787	122.485
2) WPCL	8.287	139.972	7) RGPPL Injection	21.266	435.864
3) Other CPP / IPP	7.872	138.270	8) Pench (Excess)	-0.289	-6.618
4) Wind Generation	6.846	115.862	# Total Cent. Sector	131.848	2049.769
5) PENCH (MS)	0.289	7.739	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.059	-111.830
1) TPCL Thermal	23.390	461.780	G) Bilateral Power *		
2) TPCL Hydro	0.301	47.897	1) MSEDCL Bilateral	29.051	705.204
TOTAL TPCL	23.691	509.677	Include PX	0.000	0.785
3) REL Thermal	12.608	223.346	2) MUMBAI Bilateral	8.973	162.968
D) STATE			Include PX	-1.607	-28.992
1) Thermal (A1+C1+C3)	153.957	2904.314	3) MUMBAI Schedule	8.973	162.968
2) Hydro (A2+B5+C2)	11.326	190.341	H) ENERGY CATERED (MUs)		
3) Gas (A3)	11.103	203.186	1) MSEDCL	294.418	5328.004
4) Wind (B4)	6.846	115.862	2) TPCL	28.551	570.685
5) CPP (B1+B2+B3)	22.696	709.385	3) REL	14.793	274.069
TOTAL STATE	205.928	4123.088	TOTAL STATE	337.762	6172.758

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4738	4789	4864
MSGENCO Hydro	809	249	457
MSGENCO Gas	455	438	493
MSGENCO Total Generation	6002	5476	5814
Central Sector Receipt	6179	5577	4907
WIND	173	272	400
CPP / IPP	701	1130	643
Exchange with Mumbai	-292	-274	-246
MSEDCL DEMAND MET	12763	12181	11518
Load Shedding	1865	1815	434
MSEDCL DEMAND	14628	13996	11952
TPCL GENERATION	1086	1059	710
R-INFRA GENERATION	525	526	527
TPCL+R-INFRA DEMAND	1903	1859	1483
STATE DEMAND MET	14666	14040	13001
STATE DEMAND	16531	15855	13435
Frequency (Hz)	49.90	49.84	49.79

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.36 Hz at 18.03 Hrs	49.12 Hz at 22.03 Hrs	49.83	.17 % 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 18/Mar/2012

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi						Hydro					
Unit 5	0.36	53.29	105	0	0	KDPH	0.46	11.61	20	19	19
Unit 6	3.17	57.00	150	113	134	VTRNA	0.00	0.68	0	0	0
Unit 7	3.38	53.13	170	110	159	TILLARI	0.40	6.51	60	0	60
Total	6.91	163.42			293	BHTGR/VEER	0.48	2.00	20	20	20
Bhusawal						Wind					
Unit 2	3.92	58.10	180	140	170	BHIRA T.R.	0.08	2.19	41	0	40
Unit 3	4.60	77.16	200	175	190	RNGR+BHTSA	0.32	5.90	14	13	15
Unit 4	0.00	6.60	0	0		BHANDARDRA	0.31	1.62	13	13	13
Total	8.52	141.86			360	ELDARY	0.27	5.13	12	11	12
Parli						SMLHY_PTN					
Unit 3	4.20	47.85	186	166	185	GHATGHAR	0.00	22.71	0	0	0
Unit 4	4.49	77.27	200	175	200	Total	3.11	74.80			179
Unit 5	3.78	69.58	183	132	130	Wind					
Unit 6	4.34	80.97	191	164	180	MalharPeth	0.34	5.05			
Unit 7	4.04	49.04	195	146	185	Vankuswadi	0.36	7.45			
Total	20.85	324.71			880	ATIT	0.20	2.22			
Chandrapur						Kale					
Unit 1	0.00	40.24	0	0	0	Satara	0.45	12.50			
Unit 2	3.99	71.41	174	145	170	Shirala	0.23	4.02			
Unit 3	4.64	58.51	200	187	195	K Mahankal	0.38	6.13			
Unit 4	4.79	83.92	205	190	210	Supa	0.15	2.20			
Unit 5	1.30	184.16	460	0	0	Vita	1.12	16.58			
Unit 6	10.99	191.01	470	440	450	Dondaicha	2.00	38.85			
Unit 7	11.07	183.80	472	452	450	Sakri	0.66	4.99			
Total	36.78	813.04			1475	Nandurbar	0.18	3.98			
Paras						Khandke					
Unit 3	5.30	100.34	253	165	250	Khaparale	0.22	3.79			
Unit 4	5.07	89.61	259	126	250	Total	6.85	115.86			
Total	10.37	189.94			500	CPP					
Khaparkheda						JSW JAIGAD					
Unit 1	5.01	87.64	215	195	210	WARDHA	8.29	139.97	363	309	343
Unit 2	4.36	79.23	195	175	210	Other CPPs	7.87	138.27			
Unit 3	5.22	75.96	225	195	210	Total	22.70	709.38			1063
Unit 4	5.25	91.68	223	210	210	Tata					
Unit 5	0.00	0.00	0	0		Trombay 4	0.00	0.00	0	0	0
Total	19.84	334.52			840	Trombay 5	11.38	183.71	504	360	500
Nasik						Trombay 6					
Unit 3	5.04	87.98	220	170	210	Trombay 7A	2.96	50.22	129	117	120
Unit 4	5.00	82.20	212	199	210	Trombay 7B	1.65	27.22	70	68	60
Unit 5	4.65	81.51	208	162	210	Trombay 8	0.00	89.92	0	0	0
Total	14.70	251.69			630	TATA Hydro	0.30	47.90	110	0	447
Uran						Total					
All Units	11.10	203.19	498	435	400	23.69	509.68				1627
Total	11.10	203.19			400	REL					
PENCH (MS)						1&2					
Pench (MS)	0.29	7.74	47	0		12.61	223.35	528	523	500	
Total	0.29	7.74				Total	12.61	223.35			500
Koyna						Cent Sect					
Stage 1-2	3.51	33.68	370	40	440	Share					4880
Stage 4	2.75	15.22	478	0	250	Total					4880
Stage 3	1.36	11.01	238	0	320	MS PG CL					
Total	7.62	59.90			1010	Thermal	117.96	2219.19			4978
Koyna 12&4 Total						Thml+Gas					
6.26	48.90				690	Hydro	10.74	134.70			1189
						Total					
						139.80 2557.08 6567					
						State Total					
						205.93 4123.09 14637					

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 18/Mar/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDING	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5464	383	480	6327	315	1143	4565	5137	-442	-477	12452	183	12635	1790	14425	49.83
2	5397	158	490	6045	380	1150	4487	4948	-353	-333	12190	355	12545	1649	14194	49.87
3	5192	333	490	6015	396	1013	4440	4793	-298	-290	11927	419	12346	1541	13887	49.74
4	4864	457	493	5814	400	643	4418	4907	-273	-246	11518	434	11952	1483	13435	49.79
5	4839	414	495	5748	366	651	4406	5334	-260	-228	11871	446	12317	1468	13785	49.81
6	4896	532	495	5923	429	657	4381	5436	-253	-224	12221	609	12830	1523	14353	49.72
7	4905	178	497	5580	297	695	4505	5424	-253	-192	11824	1416	13240	1543	14783	49.82
8	4898	163	498	5559	298	699	4510	5870	-267	-211	12225	1535	13760	1590	15350	50.02
9	4878	185	478	5541	207	693	4533	5945	-300	-244	12162	1562	13724	1684	15408	49.94
10	4842	638	469	5949	187	698	4669	5997	-411	-316	12522	1797	14319	1821	16140	49.94
11	4738	809	455	6002	173	701	4676	6179	-442	-292	12763	1865	14628	1903	16531	49.90
12	4778	914	438	6130	210	684	4682	5995	-442	-246	12773	1724	14497	1935	16432	49.77
13	4798	837	440	6075	178	691	4675	5861	-442	-289	12516	1877	14393	1977	16370	49.77
14	4786	998	441	6225	157	686	4672	5870	-442	-288	12650	1714	14364	1909	16273	49.76
15	4740	1146	440	6326	203	758	4669	5764	-442	-323	12728	1537	14265	1897	16162	49.73
16	4799	759	435	5993	251	935	4545	5741	-353	-281	12639	1727	14366	1875	16241	49.83
17	4789	249	438	5476	272	1130	4541	5577	-349	-274	12181	1815	13996	1859	15855	49.84
18	4794	191	442	5427	263	1187	4537	4680	-337	-249	11308	1394	12702	1831	14533	50.11
19	4873	214	438	5525	315	1130	4758	5039	-442	-318	11711	1123	12834	1889	14723	49.96
20	4925	257	436	5618	305	1248	4869	5797	-442	-308	12707	875	13582	2065	15647	49.84
21	4893	220	446	5559	276	1378	4877	5927	-442	-291	12896	651	13547	2073	15620	49.73
22	4927	272	447	5646	285	1414	4867	5079	-432	-310	12160	502	12662	2059	14721	49.84
23	5018	277	456	5751	325	1361	4642	5172	-416	-385	12264	458	12722	2019	14741	49.70
24	4926	152	466	5544	358	1351	4576	5376	-442	-444	12210	340	12550	1975	14525	49.77
MUs	117.96	10.74	11.10	139.80	6.85	22.70	110.50	131.85	-8.97	-7.06	294.42	26.36	320.78	43.36	364.13	49.83

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 18/Mar/2012

Position as on 6.30 Hrs of 19/Mar/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	18/03/2012
Koyna UNIT 6	75	10/03/2012	07.05		Continued.	Pressure Shaft work	28/03/2012
Koyna Unit 5	80	10/03/2012	07.10		Continued.	Pressure Shaft work	28/03/2012
Chandrapur Unit 1	210	11/03/2012	08.48		Continued.	Annual Overhaul	07/04/2012
FORCED OUTAGE							
Dabhol 3B	230	04/02/2012	23.43		Continued.	Gas Shortage	
Khaparkheda Unit 5	500	13/02/2012	22.18		Continued.	Low Vaccum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Cent_Sect NTPC(V-7)	500	06/03/2012	04.53		Continued.	Generator Protection Operated.	
Dabhol 3A	230	07/03/2012	15.42		Continued.	Gas shortage.	
Dabhol 3X	290	07/03/2012	15.42		Continued.	Gas shortage.	
Bhusawal Unit 4	500	07/03/2012	18.58		Continued.	Hand tripped.	
CPP WPCL U-4	135	12/03/2012	20.36	18/03/2012	23.13	Leakage Problem.	
Uran Unit 6	108	14/03/2012	20.14		Continued.	Maintenance work.	
Cent_Sect TARAPUR-3	540	15/03/2012	22.13		Continued.	Primary coolant pump fail.	
CPP JSW (J) U1	300	17/03/2012	04.30		Continued.	All Evacuating Lines Tripped.	
CPP JSW (J) U4	300	17/03/2012	04.30	18/03/2012	18.56	All Evacuating Lines Tripped.	
Koradi Unit 5	200	17/03/2012	13.05	18/03/2012	19.10	ID Fan Problem	
Dabhol 2A	230	17/03/2012	23.12		Continued.	Gas Shortage	
Tata Trombay 8	250	18/03/2012	00.30		Continued.	LP turbine inspection.	
CPP JSW (J) U2	300	18/03/2012	02.35	18/03/2012	14.10	All Evacuating Lines Tripped.	
CPP JSW (J) U3	300	18/03/2012	02.35	18/03/2012	14.32	All Evacuating Lines Tripped.	
Chandrapur Unit 5	500	18/03/2012	02.53		Continued.	Generator AVR Fault	
CPP WPCL U-2	135	19/03/2012	03.21		Continued.	Precepitator & Gas Filter Replacement Work.	
Koradi Unit 5	200	19/03/2012	06.30		Continued.	I D Fan Problem.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Mar/2012

Position as on 6.30 Hrs of 19/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Vasai-Boiser(PG)	18/03/2012	09.22	18/03/2012	16.58	Attending Hot Spot @ Loc.112 & 184.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	07/03/2012	22.01		Continued.	Over Voltage.
Seoni-Wardha-1	08/03/2012	08.30		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	12/03/2012	23.32	18/03/2012	11.27	Over Voltage
Kolhapur - Mapusa - II	17/03/2012	16.33	18/03/2012	11.15	Over Voltage
Dhule-Sar'Sarovar - I	18/03/2012	17.43		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/03/2012	01.49		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Solapur (PG)-South Solapur I	28/02/2012	21.59		Continued.	H/T.After Test Charge.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/11 KV 80 MVA Station T/F 4A @ Deepnagar	03/01/2012	10.15		Continued.	Replacement of H V Bushing.
400/ 21.75 KV 600 MVA GT IV @ Deepnagar	05/01/2012	10.40		Continued.	Replacement of Y & B Ph. Bushing.
400/220 KV,500MVA ICT-II at Deepnagar.	10/01/2012	10.30		Continued.	Connection of L V Side Jumpers of ICT -I & II Span Stringing & Testing Work.
Kalwa-Kharghar	21/02/2012	12.24		Continued.	Taken on TBC @ 1248 Hrs on dt 24.03.12 for Replacement of 29D Isolator Under LES.
Main Bus-II @ Kolhapur	14/03/2012	16.48		Continued.	Alignment of B Bus pentograph isolator of ICT.
Lonikand-Karad	15/03/2012	08.17		Continued.	Work related to commissioning of 400KV Lonikand-II S/S.
Lonikand - Parli - I	18/03/2012	09.35	18/03/2012	16.10	Shifting of Parli-Lonikand-I on Orginal Bay.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 30-03-2012)
Uran-Kharghar-II	15/02/2012	07.42		Continued.	Mumbai system strengthing work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthing work
Kharghar-TSS	18/02/2012	08.52		Continued.	Temporary Reconfigured as Uran-TSS at 20.30Hrs Dt.18/2/12
Uran - Kharghar - I	19/02/2012	07.50		Continued.	Mumbai System Strengthening Work.
Trombay-Tata Tie - I	16/03/2012	07.47	18/03/2012	18.24	Installation work
Bale-Usmanabad	16/03/2012	14.12		Continued.	To control Parly-Lonikand Line Loading
Trombay-Mulund	18/03/2012	14.11	18/03/2012	16.37	Attending Hot Spot.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Amravati - Achalpur	16/03/2012	09.15		Continued.	Replacement of CB(Ckt will be charged through TBC)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Karad - Kolhapur - II	18/03/2012	16.39	19/03/2012	06.57	Over Voltage.
Bhusawal- Aurangabad	18/03/2012	17.04		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Mar/2012

Position as on 6.30 Hrs of 19/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bale - Tuljapur	16/03/2012	14.48		Continued.	To control Parly-Lonikand Line Loading
Lonikand-Ranjangaon	18/03/2012	09.22	18/03/2012	19.42	For Controlling Load of 400KV Lonikand-Parli-II.
Voltage Level : 400KV		Outage Type TRIPPED			
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
Bhusawal- Aurangabad	17/03/2012	16.58	18/03/2012	06.52	Over Voltage
Newkoyna - Jaigad - I	17/03/2012	23.04	18/03/2012	09.08	Distance protection
Karad-Jaigad I	17/03/2012	23.58	18/03/2012	19.35	Distance protection
Karad-Jaigad II	18/03/2012	00.30	18/03/2012	00.47	Distance protection
New Koyna-Jaigad II	18/03/2012	00.47	18/03/2012	02.15	Distance protection
New Koyna - Dabhol - I	18/03/2012	01.25	18/03/2012	02.08	R Phase Insulator String Broken at Dabhol end
Karad-Jaigad II	18/03/2012	02.27	18/03/2012	08.54	Distance protection
New Koyna - Jaigad - II	18/03/2012	02.35	18/03/2012	09.15	Distance protection
New Koyna - Dabhol - I	18/03/2012	03.08	18/03/2012	15.40	R Phase Insulator String Broken at Dabhol 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).
Kharepatan-Pawas	17/03/2012	03.28	18/03/2012	13.30	Loc No 26 R Ph Insulator Decapling.
Kharepatan-Pawas	18/03/2012	01.35	18/03/2012	02.15	Distance Protection.
Kharepatan-Pawas	18/03/2012	05.13	18/03/2012	05.30	Distance Protection
Mumewadi-Mudshingi	18/03/2012	12.23	18/03/2012	12.33	Distance Protection.
Mumewadi-Mudshingi	18/03/2012	13.17	18/03/2012	18.10	Sugar Cane Found Burnt in Loc No 53 & 54.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 19/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			BHTGR/VEER	21	20
Unit 5	200	125	BHIRA T.R.	80	0
Unit 6	210	150	RNGR+BHTSA	20	13
Unit 7	210	150	BHANDARDRA	45	13
	620	425	ELDARY	23	0
Bhusawal			SMLHY_PTN	12	13
Unit 2	210	170	GHATGHAR	250	0
Unit 3	210	180		611	138
Unit 4	500		Wind		
	920	350	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	175	ATIT	0	
Unit 4	210	182	Kale	0	
Unit 5	210	185	Satara	0	
Unit 6	250	170	Shirala	0	
Unit 7	250	150	K Mahankal	0	
	1130	862	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	0	Dondaicha	0	
Unit 2	210	150	Sakri	0	
Unit 3	210	195	Nandurbar	0	
Unit 4	210	205	Khandke	0	
Unit 5	500	0	Khaparale	0	
Unit 6	500	460		0	
Unit 7	500	340	CPP		
	2340	1350	JSW_JAIGAD	600	820
Paras			WARDHA	405	343
Unit 3	250	210	Other_CPPs	0	
Unit 4	250	200		1005	1163
	500	410	Tata		
Khaparkheda			Trombay 4	150	0
Unit 1	210	200	Trombay 5	500	500
Unit 2	210	170	Trombay 6	500	500
Unit 3	210	180	Trombay 7A	120	120
Unit 4	210	210	Trombay 7B	60	60
Unit 5	500		Trombay 8	250	0
	1340	760	TATA Hydro	444	447
Nasik				2024	1627
Unit 3	210	190	REL		
Unit 4	210	190	1&2	500	500
Unit 5	210	180		500	500
	630	560	Cent Sect		
Uran			Share	3455	4920
All Units	852	460		3455	4920
	852	460			
PENCH (MS)					
Pench (MS)	53				
	53				
Koyna					
Stage 1-2	600	440			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1010			
Hydro					
KDPH	40	19			
VTRNA	60	0			
TILLARI	60	60			