



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Mar/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Mar/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	112.111	1140.017	1) Gujrat	18.343	143.937
2) Hydro	14.446	212.269	2) Madhya Pradesh	21.226	207.647
3) Gas	7.585	88.377	3) Chattisgarh	9.570	94.130
Total MSGENCO	134.142	1440.663	4) Maharashtra	81.284	802.177
B) 1) JSW JAIGAD	21.252	207.815	5) Goa	-5.651	-61.928
2) WPCL	8.202	74.554	6) TAPS 1&2 Injection	0.000	12.630
3) ADANI	0.000	5.690	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.273	98.430	8) Pench (Excess)	-0.220	-3.137
5) Wind Generation	5.899	52.397	# Total Cent. Sector	124.552	1195.456
6) PENCH (MS)	0.220	3.137	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.695	-118.837
1) TPCL Thermal	26.919	231.286	G) Bilateral Power *		
2) TPCL Hydro	0.165	51.350	1) MSEDCL Bilateral	43.268	319.245
TOTAL TPCL	27.084	282.636	Include PX	16.251	62.402
3) REL Thermal	12.648	120.071	2) MUMBAI Bilateral	11.404	129.832
D) STATE			Include PX	0.789	22.223
1) Thermal (A1+C1+C3)	151.678	1491.374	3) MUMBAI Schedule	11.404	131.658
2) Hydro (A2+B5+C2)	14.831	266.756	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.585	88.377	1) MSEDCL	296.845	2959.305
4) Wind (B4)	5.899	52.397	2) TPCL	30.382	343.187
5) CPP (B1+B2+B3)	38.727	380.799	3) REL	16.079	178.373
TOTAL STATE	218.720	2279.703	TOTAL STATE	343.306	3480.865

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4943	4526	4922
MSGENCO Hydro	1513	805	139
MSGENCO Gas	305	318	325
MSGENCO Total Generation	6761	5649	5386
Central Sector Receipt	5411	5409	4828
WIND	70	383	257
CPP / IPP	1605	1609	1622
Exchange with Mumbai	-329	-369	-79
MSEDCL DEMAND MET	13551	12735	12014
Load Shedding	629	0	204
MSEDCL DEMAND	14180	12735	12218
TPCL GENERATION	1152	1209	1099
R-INFRA GENERATION	527	526	527
TPCL+R-INFRA DEMAND	2008	2104	1705
STATE DEMAND MET	15559	14839	13719
STATE DEMAND	16188	14839	13923
Frequency (Hz)	50.06	50.08	50.08

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.68 Hz at 16.06 Hrs	49.7 Hz at 22.04 Hrs	50.06	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 10/Mar/2013

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	29.64	0	0	0
Unit 7	4.40	41.31	205	165	180
Total	4.40	70.96			180
Bhusawal					
Unit 2	3.64	40.38	160	140	150
Unit 3	3.45	34.13	160	125	150
Unit 4	7.73	78.42	470	0	430
Unit 5	0.00	12.35	0	0	
Total	14.81	165.28			730
Parli					
Unit 3	0.00	0.00	0	0	
Unit 4	0.00	0.00	0	0	
Unit 5	0.00	0.00	0	0	
Unit 6	0.00	0.00	0	0	
Unit 7	0.00	0.00	0	0	
Total	0.00	0.00			
Chandrapur					
Unit 1	3.28	33.11	138	134	145
Unit 2	0.00	22.46	0	0	0
Unit 3	4.76	48.61	202	192	200
Unit 4	4.68	46.81	199	192	200
Unit 5	9.82	98.41	430	395	425
Unit 6	9.42	64.26	440	50	425
Unit 7	10.02	99.76	440	335	425
Total	41.98	413.42			1820
Paras					
Unit 3	5.36	37.91	235	215	230
Unit 4	5.26	53.14	245	212	230
Total	10.62	91.04			460
Khaparkheda					
Unit 1	4.38	34.44	210	150	200
Unit 2	4.40	40.74	200	160	200
Unit 3	2.11	42.78	205	0	210
Unit 4	5.06	48.10	214	203	210
Unit 5	11.37	106.20	513	439	500
Total	27.32	272.26			1320
Nasik					
Unit 3	4.48	39.92	195	175	195
Unit 4	4.26	42.44	183	168	185
Unit 5	4.24	44.69	195	125	195
Total	12.97	127.05			575
Uran					
All Units	7.58	88.38	329	302	300
Total	7.58	88.38			300
PENCH (MS)					
Pench (MS)	0.22	3.14	54	0	
Total	0.22	3.14			
Koyna					
Stage 1-2	5.37	59.96	545	40	600
Stage 4	4.44	79.80	550	0	250
Stage 3	2.16	29.98	240	0	240
Kovna 12&4 Total	9.81	139.76			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.97	169.74			1090
Hydro					
KDPH	0.46	5.56	19	19	36
VTRNA	0.00	5.87	0	0	60
TILLARI	0.12	1.10	62	0	60
BHTGR/VEER	0.00	0.00	0	0	
BHIRA T.R.	0.22	3.49	80	0	80
RNGR+BHTSA	0.36	3.47	15	15	15
BHANDARDRA	0.24	1.59	10	10	
ELDARY	0.00	0.00	0	0	
SMLHY PTN	1.08	9.92	45	45	
GHATGHAR	0.00	10.07	0	0	
Total	2.48	41.07			251
Wind					
MalharPeth	0.42	2.61			
Vankuswadi	0.44	4.40			
ATIT	0.23	0.79			
Kale	0.17	1.41			
Satara	0.39	6.00			
Shirala	0.32	2.08			
K Mahankal	0.35	5.90			
Supa	0.16	1.21			
Vita	0.58	7.89			
Dondaicha	1.85	11.14			
Sakri	0.21	1.48			
Nandurbar	0.31	0.98			
Khandke	0.29	4.28			
Khaparale	0.19	2.22			
Total	5.90	52.40			
CPP					
JSW JAIGAD	21.25	207.82	891	876	809
WARDHA	8.20	74.55	348	331	343
Adani	0.00	5.69	0	0	
Other CPPs	9.27	98.43			
Total	38.73	386.49			1152
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.76	117.19	503	468	500
Trombay 6	4.52	20.78	271	157	500
Trombay 7A	2.99	28.89	127	122	120
Trombay 7B	1.64	16.20	69	68	60
Trombay 8	6.02	48.21	253	249	250
TATA Hydro	0.16	51.35	46	0	280
Total	27.08	282.64			1710
REL					
1&2	12.65	120.07	529	526	500
Total	12.65	120.07			500
Cent Sect					
Share					5132
Total					5132

MS PG CL	Thermal	112.11	1140.02			5085
	Thml+Gas	119.70	1228.39			5385
	Hydro	14.45	212.27			1341
	Total	134.14	1440.66			6726
State Total		218.72	2279.70			15220

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Mar/2013

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDI NG	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4573	858	317	5748	216	1612	4910	5087	-544	-422	12241	72	12313	2055	14368	49.93
2	4742	358	317	5417	228	1609	4882	5080	-466	-244	12090	168	12258	1877	14135	49.98
3	4769	129	320	5218	236	1599	4875	5069	-433	-127	11995	185	12180	1763	13943	50.08
4	4922	139	325	5386	257	1622	4883	4828	-433	-79	12014	204	12218	1705	13923	50.08
5	4921	129	326	5376	280	1609	4881	5050	-433	-54	12261	247	12508	1672	14180	50.08
6	4964	264	329	5557	311	1604	4828	5020	-433	-91	12401	433	12834	1726	14560	50.09
7	4919	214	329	5462	291	1610	4693	4798	-424	-124	12037	961	12998	1746	14744	50.06
8	4968	214	328	5510	263	1620	4919	5220	-318	-133	12480	981	13461	1750	15211	50.02
9	5004	350	323	5677	214	1604	4967	5287	-438	-209	12573	907	13480	1824	15304	49.95
10	4974	1100	313	6387	74	1612	4946	5359	-450	-295	13137	639	13776	1928	15704	50.08
11	4943	1513	305	6761	70	1605	5046	5411	-463	-329	13551	629	14180	2008	16188	50.06
12	4731	1392	303	6426	49	1614	5206	5442	-499	-292	13265	811	14076	2023	16099	50.01
13	4714	621	302	5637	83	1623	5209	5519	-513	-321	12541	966	13507	2012	15519	49.99
14	4657	588	304	5549	157	1615	5195	5358	-499	-349	12330	865	13195	1982	15177	50.16
15	4642	641	307	5590	191	1623	5070	5492	-464	-301	12595	687	13282	1956	15238	50.15
16	4516	967	308	5791	221	1620	5029	5525	-458	-293	12864	494	13358	1930	15288	50.17
17	4481	542	310	5333	316	1624	4999	5459	-452	-324	12408	456	12864	1922	14786	50.18
18	4467	240	311	5018	297	1620	4474	4825	-444	-262	11509	361	11870	1880	13750	50.14
19	4460	342	313	5115	318	1622	4527	4919	-448	-295	11732	0	11732	1950	13682	50.06
20	4526	805	318	5649	383	1609	5054	5409	-526	-369	12735	0	12735	2104	14839	50.08
21	4504	541	318	5363	363	1621	5113	5297	-552	-439	12231	0	12231	2165	14396	50.08
22	4341	636	319	5296	332	1618	4821	5109	-549	-399	11973	0	11973	2167	14140	50.04
23	4229	869	318	5416	301	1605	4744	5080	-585	-457	11945	0	11945	2165	14110	49.94
24	4144	994	322	5460	448	1607	4627	4909	-581	-487	11937	0	11937	2117	14054	50.04
MUs	112.11	14.45	7.58	134.14	5.90	38.73	117.90	124.55	-11.40	-6.70	296.84	10.07	306.91	46.43	353.34	50.06

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 10/Mar/2013

Position as on 6.30 Hrs of 11/Mar/2013

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Koradi Unit 5	200	16/09/2012	04.23		Continued.	C.O.H.,Generator Stator Replacement.	12/04/2013
Parli Unit 4	210	28/11/2012	02.37		Continued.	water shortage.	
Koyna Unit 12	80	29/11/2012	08.30		Continued.	A/OH.	
Cent_Sect Tarapur 2	80	31/12/2012	17.05		Continued.	Refuelling work	12/03/2013
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage	
Koyna ST - IV 4	250	04/02/2013	08.00		Continued.	AOH.	13/03/2013
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Parli Unit 5	210	14/02/2013	22.45		Continued.	Water Shortage	
Parli Unit 7	250	17/02/2013	01.00		Continued.	Water Shortage.	
FORCED OUTAGE							
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
Dabhol 1X	290	02/11/2012	16.26		Continued.	Gas shortage.	
Dabhol 1A	230	02/11/2012	16.27		Continued.	Gas shortage.	
Dabhol 3A	230	03/12/2012	21.23		Continued.	Gas Shortage	
Dabhol 2B	230	03/01/2013	13.29		Continued.	Gas shortage.	
CPP Adani U1	660	31/01/2013	17:05		Continued.	400kV Tirora-Warora isolator sparking	
CPP WPCL U-4	135	04/02/2013	19.16		Continued.	ID fan vibration problem.	
Dabhol 2A	230	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 2X	290	06/02/2013	21.32		Continued.	Gas Shortage	
Dabhol 3X	290	21/02/2013	23.04		Continued.	Gas shortage.	
Dabhol 3B	230	21/02/2013	23.08		Continued.	Gas shortage.	
CPP JSW (J) U1	300	27/02/2013	21:15		Continued.	Bearing Vibration Problem.	
Uran Unit 8	108	03/03/2013	11.18		Continued.	Gas Shortage.	
Cent_Sect Tarapur 1	80	04/03/2013	05.30		Continued.	Pressure Pump Seal Leakage.	
Uran Unit 6	108	05/03/2013	05:30		Continued.	Gas Shortage.	
CPP Adani U-2	660	07/03/2013	08:30	11/03/2013	02:02	Roof temp.high	
Koradi Unit 6	210	08/03/2013	13.42		Continued.	Tripped on Boiler Problem.	
Bhusawal Unit 5	500	08/03/2013	18.22		Continued.	Conductivity Problem.	
Chandrapur Unit 6	500	09/03/2013	22.03	10/03/2013	00.34	Boiler Protection Operated.	
Chandrapur Unit 2	210	09/03/2013	22.56	11/03/2013	02.04	AVR Problem.	
Khaparkheda Unit 3	210	10/03/2013	10.55		Continued.	Boiler tube leakage.	13/03/2013
Bhusawal Unit 4	500	10/03/2013	21.26		Continued.	Control cable burnt.	
Chandrapur Unit 2	210	11/03/2013	02.31	11/03/2013	03.41	Drum level high.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Mar/2013

Position as on 6.30 Hrs of 11/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur-I	04/11/2012	09.53		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 15/3/2013
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Seoni-Wardha-II 765KV.	04/03/2013	09.07		Continued.	Interchanging.
Warora - Deoli - II	08/03/2013	13.07		Continued.	Hand Tripped,Charged Upto Dead End Tower @ 12.52 Hrs on 8.3.2013.
Kolhapur - Mapusa - I	08/03/2013	22.02		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	09/03/2013	16.41		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	10/03/2013	23.23		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	15/01/2013	09.51		Continued.	Replacement of Old Not working CT
400/220 KV315 MVA ICT-I @ BBLR	05/03/2013	10:12		Continued.	On TBC for Replacement of LV BKR.(Problem in Pressure Switch)
400/220 KV 105 MVA Spare ICT - I at Nagothane.	05/03/2013	11:50		Continued.	Fitting of MOG & Maint. & Testing work.
Main Bus - I @ Bhusawal	09/03/2013	09.52		Continued.	For Replacement of Main Bus-I PGIsolator of Koradi Bay.(5 Days Outage)
Karad-Jaigad II	10/03/2013	08.00	10/03/2013	10.07	Insulator replacement.
Newkoyna - Jaigad - I	10/03/2013	10.33	10/03/2013	15.43	Insulator replacement.
Bus-Coupler @ Lonikand	10/03/2013	10.57	10/03/2013	14.25	To attend hot spot.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	04/11/2012	10.35		Continued.	Mumbai Strengthening work to be carried out on Boiser-Borivali section upto 15/3/2013
Kalwa - Khargar	15/02/2013	13.20		Continued.	Mumbai strengthening work for 20 Days.Reconfigur as 220KV Khargar-Mahape.
Khargar - Tifil	26/02/2013	19.07		Continued.	Mumbai Strengthening work
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 26/3/13)
Aarey - Saki - I	08/03/2013	09.06	10/03/2013	17.30	Shifting of Control & Relay Panel(4 Days Outage).
Peth-Nigde	09/03/2013	10.01		Continued.	Replacing Both Bus & Line Side Isolator
Trombay - Tata Tie - I	10/03/2013	07.41	10/03/2013	18.46	To facilitate work of New 220KV bay at TATA end.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Whirlpool - Ismit	08/03/2013	08.45		Continued.	Erection of Tower & D/C String of New Conductor Outage Upto 22/3/2013.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
New Koyna - StageIV - I	09/03/2013	23.16	10/03/2013	06.34	Breaker Oil Leakage.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
50 MVAR Line Reactor on	20/03/2012	11.50		Continued.	High tan delta of bushing.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Mar/2013

Position as on 6.30 Hrs of 11/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
400 KV Parly Ckt.-III at Chandrapur					
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
400/220 KV 105 MVA Spare ICT Unit @ Bhusawal - II	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.
400/220KV 500MVA ICT-II at Warora	07/02/2013	17.57		Continued.	Handtripped
Dabhol - New Koyna - I	24/02/2013	03.12		Continued.	Over Voltage.
Bhusawal- Aurangabad	27/02/2013	17.07		Continued.	Over Voltage
Dabhol-Nagothane - II	06/03/2013	17.34		Continued.	Red Hot (Ready for charging at 19.30Hrs)
Khadka - Deepnagar - II	07/03/2013	06.17		Continued.	Over Voltage.
Karad - Kolhapur - II	10/03/2013	16.36	11/03/2013	06.25	Over Voltage.
Kolhapur-Karad -I	10/03/2013	21.43	11/03/2013	07.51	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
Parli-Usmanabad	03/03/2013	18.13		Continued.	To control load on Parli ICT.
220KVCable Borivali(M)-Gorai(R) I	05/03/2013	04.16		Continued.	H/T.
220KV Cable Borivali(M)-Gorai(R) II	05/03/2013	04.19		Continued.	H/T.
Voltage Level : 400KV			Outage Type TRIPPED		
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated Declared Faulty by Genco.
Deepnagar-Aurangabad-I	12/01/2013	13.33		Continued.	Over Voltage
Karad - Kolhapur - II	09/03/2013	16.33	10/03/2013	06.51	Over Voltage.
C'pur-Parli II	11/03/2013	00.15		Continued.	Over Voltage.
Voltage Level : 132KV			Outage Type TRIPPED		
Renapur - Latur	10/03/2013	18.55		Continued.	Distance protection zone 1.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Mar/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	195
	620	195
Bhusawal		
Unit 2	210	150
Unit 3	210	150
Unit 4	500	0
Unit 5	500	
	1420	300
Parli		
Unit 3	210	
Unit 4	210	
Unit 5	210	
Unit 6	250	
Unit 7	250	
	1130	
Chandrapur		
Unit 1	210	145
Unit 2	210	160
Unit 3	210	200
Unit 4	210	200
Unit 5	500	425
Unit 6	500	450
Unit 7	500	450
	2340	2030
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	200
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1110
Nasik		
Unit 3	210	195
Unit 4	210	185
Unit 5	210	195
	630	575
Uran		
All Units	852	300
	852	300
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	36
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	
GHATGHAR	250	
	611	251
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	1200	810
WARDHA	405	364
Adani	660	
Other CPPs	0	
	2265	1174
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	4951
	3455	4951