



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

State Load Dispatch Center, Airoli

Daily system Report

for

20/Mar/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 20/Mar/2013 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	114.079	2298.898	1) Gujrat	23.352	343.632
2) Hydro	16.357	404.305	2) Madhya Pradesh	18.800	411.807
3) Gas	7.611	173.703	3) Chattisgarh	8.550	181.220
Total MSGENCO	138.047	2876.906	4) Maharashtra	87.954	1646.562
B) 1) JSW JAIGAD	20.768	392.739	5) Goa	-6.625	-124.848
2) WPCL	8.781	161.181	6) TAPS 1&2 Injection	0.000	12.630
3) ADANI	0.000	7.110	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	10.299	190.705	8) Pench (Excess)	-0.101	-4.626
5) Wind Generation	10.434	113.547	# Total Cent. Sector	131.930	2466.377
6) PENCH (MS)	0.101	4.626	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.370	-222.635
1) TPCL Thermal	29.306	508.644	G) Bilateral Power *		
2) TPCL Hydro	3.546	91.406	1) MSEDCL Bilateral	47.740	737.773
TOTAL TPCL	32.852	600.050	Include PX	22.301	239.342
3) REL Thermal	12.514	245.744	2) MUMBAI Bilateral	13.824	263.492
D) STATE			Include PX	2.230	46.200
1) Thermal (A1+C1+C3)	155.899	3053.286	3) MUMBAI Schedule	13.824	268.941
2) Hydro (A2+B5+C2)	20.004	500.337	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.611	173.703	1) MSEDCL	309.990	5990.556
4) Wind (B4)	10.434	113.547	2) TPCL	36.877	705.091
5) CPP (B1+B2+B3)	39.848	744.625	3) REL	18.859	363.331
TOTAL STATE	233.796	4585.498	TOTAL STATE	365.726	7058.978

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	4661	4385	5090
MSGENCO Hydro	1494	811	105
MSGENCO Gas	304	305	328
MSGENCO Total Generation	6459	5501	5523
Central Sector Receipt	6190	6050	4968
WIND	176	416	530
CPP / IPP	1701	1767	1442
Exchange with Mumbai	-600	-584	-206
MSEDCL DEMAND MET	13926	13150	12257
Load Shedding	697	433	155
MSEDCL DEMAND	14623	13583	12412
TPCL GENERATION	1745	1670	895
R-INFRA GENERATION	521	520	521
TPCL+R-INFRA DEMAND	2866	2774	1622
STATE DEMAND MET	16792	15924	13879
STATE DEMAND	17489	16357	14034
Frequency (Hz)	50.01	50.02	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.5 Hz at 17:55 Hrs	49.48 Hz at 19:10 Hrs	50.04	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 20/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	3.58	62.42	176	125	135
Unit 7	3.65	82.58	175	120	145
Total	7.22	145.00			280
Bhusawal					
Unit 2	3.70	68.86	160	145	150
Unit 3	3.82	72.23	170	150	150
Unit 4	9.26	136.38	495	235	470
Unit 5	4.53	46.03	235	90	0
Total	21.31	323.50			770
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	0.00	0	0	0
Unit 7	0.00	0.00	0	0	0
Total	0.00	0.00			0
Chandrapur					
Unit 1	3.30	65.93	141	134	145
Unit 2	3.52	57.40	153	139	140
Unit 3	4.63	95.16	199	172	200
Unit 4	4.66	91.52	198	177	200
Unit 5	9.70	196.50	415	390	425
Unit 6	4.52	162.64	445	0	450
Unit 7	9.84	196.22	434	395	450
Total	40.18	865.37			2010
Paras					
Unit 3	5.57	96.65	251	192	250
Unit 4	5.20	109.54	243	203	250
Total	10.77	206.20			500
Khaparkheda					
Unit 1	3.72	73.91	190	115	190
Unit 2	3.92	79.16	180	135	160
Unit 3	4.06	78.47	193	152	170
Unit 4	4.80	95.48	213	176	170
Unit 5	9.77	204.62	470	321	400
Total	26.27	531.65			1090
Nasik					
Unit 3	0.00	67.16	0	0	0
Unit 4	4.04	83.79	175	162	185
Unit 5	4.29	76.24	190	172	195
Total	8.33	227.18			380
Uran					
All Units	7.61	173.70	331	301	310
Total	7.61	173.70			310
PENCH (MS)					
Pench (MS)	0.10	4.63	33	0	0
Total	0.10	4.63			0
Koyna					
Stage 1-2	4.00	103.39	595	40	600
Stage 4	5.13	159.29	792	0	250
Stage 3	2.31	56.58	240	0	240
Kovna 12&4 Total	9.12	262.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.44	319.26			1090
Hydro					
KDPH	0.45	11.88	19	18	18
VTRNA	0.95	12.93	61	0	60
TILLARI	0.12	2.30	60	0	60
BHTGR/VEER	0.06	0.19	3	2	2
BHIRA T.R.	0.18	5.39	57	0	40
RNGR+BHTSA	0.33	6.85	14	13	14
BHANDARDRA	0.00	5.58	0	0	25
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.68	19.25	29	28	0
GHATGHAR	2.14	19.22	240	0	0
Total	4.92	83.59			219
Wind					
MalharPeth	0.59	5.95			
Vankuswadi	0.96	9.48			
ATIT	0.16	1.75			
Kale	0.30	3.13			
Satara	1.92	15.15			
Shirala	0.34	4.32			
K Mahankal	0.02	8.13			
Supa	0.19	2.49			
Vita	0.83	14.20			
Dondaicha	3.16	29.33			
Sakri	0.43	4.03			
Nandurbar	0.31	2.86			
Khandke	0.50	7.75			
Khaparale	0.72	4.97			
Total	10.43	113.55			
CPP					
JSW JAIGAD	20.77	392.74	899	733	807
WARDHA	8.78	161.18	371	360	369
Adani	0.00	7.11	0	0	0
Other CPPs	10.30	190.70			
Total	39.85	751.74			1176
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.22	232.93	503	291	500
Trombay 6	7.46	77.63	467	155	500
Trombay 7A	2.96	57.57	128	119	120
Trombay 7B	1.63	32.16	69	67	60
Trombay 8	6.03	108.36	253	250	250
TATA Hydro	3.55	91.41	342	0	447
Total	32.85	600.05			1877
REL					
1&2	12.51	245.74	525	519	500
Total	12.51	245.74			500
Cent Sect					
Share					5201
Total					5201

MS PG CL	Thermal	114.08	2298.90			5030
	Thml+Gas	121.69	2472.60			5340
	Hydro	16.36	404.30			1309
	Total	138.05	2876.91			6649
State Total		233.80	4585.50			15403

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 20/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	5076	118	328	5522	756	1598	4905	5030	-476	-329	12577	72	12649	1956	14605	50.02
2	5121	113	326	5560	671	1491	4924	4880	-453	-230	12372	138	12510	1778	14288	50.05
3	5119	105	326	5550	681	1442	4929	4811	-437	-241	12243	143	12386	1685	14071	50.13
4	5090	105	328	5523	530	1442	4904	4968	-402	-206	12257	155	12412	1622	14034	50.09
5	5103	110	325	5538	509	1443	4888	5091	-390	-190	12391	188	12579	1612	14191	50.03
6	5135	169	331	5635	418	1513	4757	5035	-384	-176	12425	379	12804	1703	14507	49.93
7	5107	185	330	5622	340	1611	4780	4954	-437	-196	12331	947	13278	1808	15086	49.90
8	5168	202	324	5694	266	1633	5378	5252	-456	-288	12579	877	13456	1929	15385	50.09
9	5189	257	329	5775	174	1671	5388	5791	-463	-298	13136	756	13892	2210	16102	50.00
10	5120	767	323	6210	130	1654	5596	6322	-530	-430	13888	579	14467	2565	17032	49.97
11	4827	1198	311	6336	144	1704	5891	6366	-675	-565	13985	598	14583	2817	17400	50.02
12	4661	1494	304	6459	176	1701	6104	6190	-747	-600	13926	697	14623	2866	17489	50.01
13	4577	1110	305	5992	191	1739	6191	6254	-732	-619	13557	805	14362	2830	17192	50.11
14	4473	786	304	5563	304	1736	5967	6308	-652	-563	13348	721	14069	2755	16824	50.18
15	4504	882	301	5687	253	1747	5956	6213	-675	-586	13314	574	13888	2790	16678	50.07
16	4442	1119	301	5862	386	1742	5815	6145	-675	-553	13582	459	14041	2796	16837	50.02
17	4385	811	305	5501	416	1767	5807	6050	-666	-584	13150	433	13583	2774	16357	50.02
18	4397	633	309	5339	633	1799	4965	4926	-691	-634	12063	616	12679	2696	15375	50.23
19	4368	634	307	5309	658	1773	4947	5019	-654	-575	12184	15	12199	2594	14793	50.05
20	4428	1870	315	6613	612	1657	5282	5166	-693	-544	13521	0	13521	2651	16172	49.91
21	4500	1186	315	6001	771	1751	5308	5267	-681	-556	13267	0	13267	2570	15837	50.04
22	4510	777	315	5602	573	1821	5263	5308	-635	-498	12810	0	12810	2385	15195	50.10
23	4375	823	322	5520	447	1730	5092	5275	-636	-461	12511	0	12511	2228	14739	49.99
24	4404	903	327	5634	396	1683	5003	5309	-587	-448	12574	0	12574	2116	14690	50.07
MUs	114.08	16.36	7.61	138.05	10.44	39.85	128.04	131.93	-13.82	-10.37	309.99	9.15	319.14	55.74	374.88	50.04

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/Mar/2013

Position as on 6.30 Hrs of 21/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	22/03/2013
Parli Unit 6	250	25/01/2013	19.49		Continued.	Water Shortage/AOH from 06.03.2013	
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.	
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	11/03/2013	09.31		Continued.	Boiler Tube Leakage.	
Uran Unit 5	108	16/03/2013	00.26		Continued.	Gas Shortage.	
CPP IEPL	540	16/03/2013	14:47	20/03/2013	06:42	Tripped.	
Nasik Unit 3	210	17/03/2013	10.20		Continued.	ID Fan Problem.	
Chandrapur Unit 6	500	20/03/2013	10:35		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2013

Position as on 6.30 Hrs of 21/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Wardha (PG) - Warora - I	19/03/2013	15.34	20/03/2013	19.40	SPS Testing at Tiroda.(Ready for charging at 23.00Hrs.)
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Warora - Deoli - II	08/03/2013	13.07		Continued.	Hand Tripped,Charged Upto Dead End Tower @ 12.52 Hrs on 8.3.2013.
Kolhapur-Solapur (PG) II	17/03/2013	16.37		Continued.	Over Voltage.
Seoni-Wardha-II 765KV.	17/03/2013	17.46		Continued.	Over Voltage.
Kolhapur - Mapusa - I	19/03/2013	21.53	20/03/2013	08.58	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Warora - Tiroda - II	18/03/2013	16.15		Continued.	Over Voltage,while charging Warora-Tiroda I first time charge.
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 on 220 KV for Replacement of LV BKR.(Problem in Pressure Switch)
400/220 KV 315 MVA ICT-I @ Nagothane	13/03/2013	09.57	20/03/2013	16.44	CTR Installation,Breaker Overhauling
Koradi-Khaparkheda-I	14/03/2013	10.05		Continued.	Erection of 3 No's of 400KV CT,CT Testing & CB Trials,Tie Bkr @ K'kheda Out.Line in Service.
Warora-Tiroda-I	19/03/2013	15.04	20/03/2013	20.07	SPS testeing work.(Ready for charging at.21.20 Hrs.
Kalwa-Padgha-II	20/03/2013	08.34	20/03/2013	11.47	Hot Spot(Taken on TBC)
Koradi-Khaparkheda II	20/03/2013	09.57	20/03/2013	16.37	Gas Leakage in Breaker
Koradi - Indiabull (Nandgaonpeth)	20/03/2013	17.51		Continued.	Replacement of Y Phase EMVT (Ready for charging 22.30Hrs)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Kalwa - Khargar	15/02/2013	13.20		Continued.	Mumbai strengthing work for 20 Days.Reconfigur as 220KV Khargar-Mahape.
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 26/3/13)
Kalwa-Nerul	17/03/2013	08.11		Continued.	Removing cross jumper at L.no 16-17 and fixing jumper at L.no 16 of Khargar -Nerul line.
Kanhan - Umred - I	18/03/2013	11.52		Continued.	Retrofitting of distance relay.
TBC @ 220 KV Parli - I	19/03/2013	09.30		Continued.	Replacment of CT under LES.
Temghar-Colourchem	20/03/2013	06.45	20/03/2013	10.01	Hot Spot
Parly - New Parly -I	20/03/2013	09.50	20/03/2013	16.39	Hot Spot
220/132KV 100MVA ICT at Satara MIDC	20/03/2013	10.31	20/03/2013	15.28	Replacement of B Phase CT
Pedambe - Pophali - II	20/03/2013	11.00	20/03/2013	13.30	Tree Cutting work
Bale-Lamboti II	20/03/2013	15.28	20/03/2013	23.07	Connecting CT Jumps, ready for charging at 19.18Hrs
Babaleshwar - Nagar - I	20/03/2013	15.32	20/03/2013	16.28	Testing work
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2013

Position as on 6.30 Hrs of 21/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of 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 HAND TRIPPED		
50 MVAR Line Reactor on 400 KV Parly Ckt.-III at Chandrapur	20/03/2012	11.50		Continued.	High tan delta of bushing.
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
Khadka - Deepnagar - II	07/03/2013	06.17		Continued.	Over Voltage.
Bhusawal- Aurangabad	17/03/2013	17.03		Continued.	Over Voltage.Ready for charging at 16.26 Hrs. dt.18.03.2013.
Dabhol-Nagothane - II	19/03/2013	08.52	20/03/2013	10.21	Over Voltage
Karad - Kolhapur - II	21/03/2013	03.30		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
220KVCable Borivali(M)-Gorai(R) I	05/03/2013	04.16	20/03/2013	23.17	H/T.
220KV Cable Borivali(M)-Gorai(R) II	05/03/2013	04.19	20/03/2013	23.23	H/T.
Borivali(M)-Borivali(Rel) 1	12/03/2013	04.09		Continued.	Hand Tripped
Borivali(M)-Borivali(Rel)2	12/03/2013	04.19		Continued.	Hand Tripped
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	19/03/2013	17.06	20/03/2013	06.40	Over Voltage.
Karad - Kolhapur - I	20/03/2013	17.54		Continued.	Over VOLTage
Voltage Level : 132KV			Outage Type TRIPPED		
Akola - Paras - I	20/03/2013	03.28	20/03/2013	03.43	Distance Protection
Narsi-Degloor	20/03/2013	20.30		Continued.	CT Burst at Degloor

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 21/Mar/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	155
	620	305
Bhusawal		
Unit 2	210	150
Unit 3	210	160
Unit 4	500	300
Unit 5	500	0
	1420	610
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	145
Unit 2	210	150
Unit 3	210	200
Unit 4	210	200
Unit 5	500	400
Unit 6	500	0
Unit 7	500	425
	2340	1520
Paras		
Unit 3	250	230
Unit 4	250	210
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	170
Unit 4	210	200
Unit 5	500	400
	1340	1110
Nasik		
Unit 3	210	0
Unit 4	210	185
Unit 5	210	195
	630	380
Uran		
All Units	852	310
	852	310
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	18
VTRNA	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	14
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	24
GHATGHAR	250	0
	611	219
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	807
WARDHA	405	369
Adani	660	
Other CPPs	0	
	2265	1176
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	5118
	3455	5118