



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Mar/2013

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Mar/2013 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	115.319	2725.444	1) Gujrat	23.980	440.837
2) Hydro	7.784	471.315	2) Madhya Pradesh	23.551	497.825
3) Gas	9.622	208.653	3) Chattisgarh	8.680	215.860
Total MSGENCO	132.725	3405.412	4) Maharashtra	83.557	1992.220
B) 1) JSW JAIGAD	20.538	477.040	5) Goa	-6.393	-150.424
2) WPCL	8.728	195.872	6) TAPS 1&2 Injection	0.000	12.630
3) ADANI	9.190	31.640	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	7.274	222.587	8) Pench (Excess)	-0.193	-5.350
5) Wind Generation	5.021	138.772	# Total Cent. Sector	133.182	3003.598
6) PENCH (MS)	0.193	5.350	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.725	-260.362
1) TPCL Thermal	26.025	623.293	G) Bilateral Power *		
2) TPCL Hydro	0.575	102.245	1) MSEDCL Bilateral	53.208	938.757
TOTAL TPCL	26.600	725.538	Include PX	27.876	339.547
3) REL Thermal	12.600	296.005	2) MUMBAI Bilateral	10.754	312.305
D) STATE			Include PX	0.333	51.337
1) Thermal (A1+C1+C3)	153.944	3644.742	3) MUMBAI Schedule	10.754	317.754
2) Hydro (A2+B5+C2)	8.552	578.910	H) ENERGY CATERED (MUs)		
3) Gas (A3)	9.622	208.653	1) MSEDCL	309.126	7219.909
4) Wind (B4)	5.021	138.772	2) TPCL	30.394	845.910
5) CPP (B1+B2+B3)	45.730	904.689	3) REL	16.533	435.985
TOTAL STATE	222.869	5475.766	TOTAL STATE	356.053	8501.804

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	4875	4927	4521
MSGENCO Hydro	487	835	139
MSGENCO Gas	412	370	429
MSGENCO Total Generation	5774	6132	5089
Central Sector Receipt	6506	5637	5016
WIND	55	124	476
CPP / IPP	1927	1910	1814
Exchange with Mumbai	-380	-546	-10
MSEDCL DEMAND MET	13882	13300	12385
Load Shedding	730	0	55
MSEDCL DEMAND	14612	13300	12440
TPCL GENERATION	1171	1137	1102
R-INFRA GENERATION	526	522	526
TPCL+R-INFRA DEMAND	2077	2205	1638
STATE DEMAND MET	15959	15505	14023
STATE DEMAND	16689	15505	14078
Frequency (Hz)	49.99	50.08	50.24

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.4 Hz at 12.59 Hrs	49.7 Hz at 11.05 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 24/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	4.15	78.06	180	154	160
Unit 7	3.86	97.65	200	130	160
Total	8.01	175.71			320
Bhusawal					
Unit 2	3.68	83.64	165	150	150
Unit 3	3.76	87.52	170	145	160
Unit 4	10.28	170.94	470	355	484
Unit 5	6.01	60.79	278	210	
Total	23.73	402.90			794
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	3.25	79.11	139	132	145
Unit 2	3.30	64.02	162	68	150
Unit 3	4.82	114.04	206	195	200
Unit 4	4.75	110.14	200	195	200
Unit 5	9.47	233.72	414	365	425
Unit 6	5.23	167.87	410	0	0
Unit 7	9.48	234.38	435	298	425
Total	40.30	1003.28			1545
Paras					
Unit 3	5.80	119.49	252	231	250
Unit 4	5.27	130.79	241	151	250
Total	11.07	250.28			500
Khaparkheda					
Unit 1	4.13	89.16	190	150	170
Unit 2	3.46	93.58	170	110	170
Unit 3	3.92	94.21	184	137	170
Unit 4	4.54	112.11	203	166	170
Unit 5	9.41	244.87	512	286	500
Total	25.46	633.93			1180
Nasik					
Unit 3	2.52	69.68	185	0	175
Unit 4	4.23	100.50	186	163	190
Unit 5	0.00	89.17	0	0	0
Total	6.75	259.35			365
Uran					
All Units	9.62	208.65	430	345	430
Total	9.62	208.65			430
PENCH (MS)					
Pench (MS)	0.19	5.35	53	0	
Total	0.19	5.35			
Koyna					
Stage 1-2	2.42	120.96	355	40	520
Stage 4	0.54	185.11	148	0	250
Stage 3	0.53	65.83	158	0	240
Kovna 12&4 Total	2.95	306.08			770

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.48	371.90			1010
Hydro					
KDPH	0.91	14.48	38	38	40
VTRNA	0.95	16.48	61	0	60
TILLARI	0.12	2.77	60	0	60
BHTGR/VEER	0.05	0.46	3	2	
BHIRA T.R.	0.10	5.98	60	0	80
RNGR+BHTSA	0.34	8.20	14	14	
BHANDARDRA	0.16	5.73	44	0	
ELDARY	0.00	0.00	0	0	
SMLHY PTN	0.98	22.78	41	40	17
GHATGHAR	0.69	21.08	126	0	
Total	4.30	97.96			257
Wind					
MalharPeth	0.21	7.54			
Vankuswadi	0.32	11.33			
ATIT	0.04	3.16			
Kale	0.10	3.83			
Satara	0.08	15.87			
Shirala	0.09	5.14			
K Mahankal	0.63	10.66			
Supa	0.08	2.88			
Vita	0.47	17.18			
Dondaicha	1.91	37.48			
Sakri	0.27	5.14			
Nandurbar	0.19	3.80			
Khandke	0.29	8.83			
Khaparale	0.32	5.92			
Total	5.02	138.77			
CPP					
JSW JAIGAD	20.54	477.04	891	723	850
WARDHA	8.73	195.87	369	359	380
Adani	9.19	31.64	430	360	
Other CPPs	7.27	222.59			
Total	45.73	927.14			1230
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.85	280.74	503	393	500
Trombay 6	3.73	103.15	158	154	500
Trombay 7A	2.86	68.63	127	103	120
Trombay 7B	1.58	38.33	68	60	60
Trombay 8	6.00	132.44	252	249	250
TATA Hydro	0.58	102.24	87	0	447
Total	26.60	725.54			1877
REL					
1&2	12.60	296.00	527	522	500
Total	12.60	296.00			500
Cent Sect					
Share					6350
Total					6350

MS PG CL	Thermal	115.32	2725.44			4704
	Thml+Gas	124.94	2934.10			5134
	Hydro	7.78	471.32			1267
	Total	132.72	3405.41			6401
State Total		222.87	5475.77			16358

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	4465	445	429	5339	586	1901	5207	5200	-481	-287	12739	12	12751	1952	14703	49.98
2	4430	154	429	5013	578	1905	5188	5161	-425	-135	12522	42	12564	1785	14349	50.02
3	4507	134	429	5070	545	1821	5181	5181	-425	-74	12543	45	12588	1703	14291	50.13
4	4521	139	429	5089	476	1814	5071	5016	-425	-10	12385	55	12440	1638	14078	50.24
5	4506	144	430	5080	391	1828	5055	5304	-421	-3	12600	88	12688	1632	14320	50.21
6	4637	134	429	5200	334	1872	5346	5351	-399	-76	12681	385	13066	1674	14740	50.14
7	4535	139	425	5099	329	1899	5375	5486	-403	-153	12660	998	13658	1697	15355	50.03
8	4515	152	425	5092	271	1909	5383	5578	-410	-94	12756	1065	13821	1707	15528	50.06
9	4645	310	417	5372	217	1925	5407	5526	-433	-181	12859	973	13832	1804	15636	50.05
10	4755	461	414	5630	104	1916	5916	6075	-441	-327	13398	700	14098	1968	16066	50.08
11	4875	487	412	5774	55	1927	6197	6506	-438	-380	13882	730	14612	2077	16689	49.99
12	4963	481	410	5854	26	1938	6211	6256	-453	-420	13654	791	14445	2126	16571	49.99
13	5039	196	405	5640	24	1921	6211	6015	-455	-469	13131	959	14090	2143	16233	50.10
14	5037	200	406	5643	42	1925	6007	5925	-449	-417	13118	721	13839	2058	15897	50.07
15	5109	245	407	5761	49	1918	5895	5921	-408	-377	13272	496	13768	2024	15792	49.98
16	5127	255	412	5794	57	1921	5752	6108	-381	-364	13516	440	13956	2000	15956	50.01
17	4933	260	395	5588	77	1936	5573	5792	-398	-356	13037	418	13455	1973	15428	50.09
18	5056	205	367	5628	85	1850	4968	4745	-436	-337	11971	0	11971	1941	13912	50.08
19	4967	302	369	5638	128	1785	4959	4894	-428	-389	12093	0	12093	2008	14101	50.02
20	4927	835	370	6132	124	1910	5406	5637	-486	-546	13300	0	13300	2205	15505	50.08
21	4977	591	363	5931	186	1966	5484	5609	-514	-584	13161	0	13161	2248	15409	50.02
22	5009	353	353	5715	112	1991	5517	5400	-529	-613	12658	0	12658	2241	14899	50.03
23	4952	555	352	5859	98	1969	5252	5197	-563	-601	12529	0	12529	2196	14725	49.98
24	4832	607	345	5784	127	1983	5147	5298	-554	-532	12660	0	12660	2125	14785	49.97
MUs	115.32	7.78	9.62	132.72	5.02	45.73	131.71	133.18	-10.75	-7.72	309.12	8.92	318.04	46.92	364.97	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 24/Mar/2013

Position as on 6.30 Hrs of 25/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	26/03/2013
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 5	108	16/03/2013	00.26		Continued.	Gas Shortage.	
Nasik Unit 3	210	17/03/2013	10.20	24/03/2013	05.00	ID Fan Problem.	
Chandrapur Unit 6	500	20/03/2013	10:35	24/03/2013	08.57	Boiler Tube Leakage.	
Koyna Unit 1	75	23/03/2013	20.15	24/03/2013	01.10	Excitation Problem.	
Nasik Unit 5	210	23/03/2013	21.15		Continued.	Boiler Tube Leakage.	27/03/2013

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Mar/2013

Position as on 6.30 Hrs of 25/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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.
Seoni-Wardha-II 765KV.	17/03/2013	17.46		Continued.	Over Voltage.
Kolhapur - Mapusa - I	22/03/2013	16.39		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	22/03/2013	17.12	24/03/2013	12.31	Over Voltage.
Kolhapur - Mapusa - I	23/03/2013	16.34		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	24/03/2013	15.46		Continued.	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)
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.
New Koyna - Dabhol - II	24/03/2013	09.21	24/03/2013	19.09	Cold line washing of insulator stringing.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/100KV 200 MVA ICT-I @ Padgha	06/03/2013	11.41		Continued.	Isolator replacement work(Up to 26/3/13)
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.
220/100KV 200MVA ICT-IV at Kalwa	20/03/2013	08.24		Continued.	Repl.of LV Bkr,up to 31.03.2013
220/132 KV 100 MVA ICT @ Bhandara	21/03/2013	11.05		Continued.	Commissioning of CTR Fire Prot.System
Ghodbhundar - Gorai	21/03/2013	11.15		Continued.	Relocation of Tower(Up to 25-3-13)
Ghodbandar-Versova-II	21/03/2013	12.10		Continued.	Relocation of Tower(Up to 25-3-13)
Parli-Girwali III	24/03/2013	07.32	24/03/2013	18.37	Fixing of vibration dampers on emergency basis.
220/33KV 100MVA T/F-II at Aarey	24/03/2013	08.52	24/03/2013	19.08	Annual maintenance.
Borivali - Tata - V	24/03/2013	14.49	24/03/2013	18.13	GIS Roof work in Tata Borivali 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.
Kanhan - Mouda	21/03/2013	13.10		Continued.	Replacement of Dist.Prot.Scheme
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	02/02/2013	10.17		Continued.	Low Oil Pressure Alarm Received.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Mar/2013

Position as on 6.30 Hrs of 25/Mar/2013

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Spare ICT Unit @ Bhusawal - II					
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	24/03/2013	11.11	Over Voltage.Ready for charging at 16.26 Hrs. dt.18.03.2013.
Aurangabad-Deepnagar-II	21/03/2013	11.15		Continued.	Hand Tripped
Karad - Kolhapur - I	23/03/2013	16.31	24/03/2013	06.35	Over Voltage.
Dabhol - Nagothane - I	23/03/2013	20.37		Continued.	Over Voltage.
Dabhol - New Koyna - I	24/03/2013	03.22	24/03/2013	09.03	Over Voltage
Karad - Kolhapur - I	24/03/2013	16.35		Continued.	Over Voltage.
Bhusawal- Aurangabad	24/03/2013	18.06		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	04/02/2013	23.36		Continued.	Due to over loading.
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
Ghodbandar - Bhoisor (MSETCL)	23/03/2013	20.23		Continued.	To Control DTPS Boisar Dahanu L/L.
Parli-Usmanabad	24/03/2013	07.32	24/03/2013	18.37	To Avail Outage on 220 KV Girawali-Parli - III Line.
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.
Voltage Level : 220KV			Outage Type TRIPPED		
Khaparkheda - Kanhan - I	24/03/2013	01.23	24/03/2013	01.55	Dist.prot.Z-I
Khaperkheda - Ambazari - II	24/03/2013	01.23	24/03/2013	01.52	Dist.prot.Z-I
Padgha-Kamba	25/03/2013	02.31	25/03/2013	03.05	Tripped at Padgha end only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 25/Mar/2013

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	180
Unit 7	210	167
	620	347
Bhusawal		
Unit 2	210	150
Unit 3	210	160
Unit 4	500	400
Unit 5	500	
	1420	710
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	425
Unit 7	500	375
	2340	1930
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	165
Unit 2	210	165
Unit 3	210	165
Unit 4	210	195
Unit 5	500	430
	1340	1120
Nasik		
Unit 3	210	185
Unit 4	210	195
Unit 5	210	0
	630	380
Uran		
All Units	852	410
	852	410
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	520
Stage 4	1000	250
Stage 3	320	240
	1920	1010
Hydro		
KDPH	40	40
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	30
ELDARY	23	
SMLHY PTN	12	12
GHATGHAR	250	
	611	297
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	370
Adani	660	
Other CPPs	0	
	2265	1180
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	4889
	3455	4889