



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

State Load Dispatch Center, Airoli

Daily system Report

for

13/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 13/Mar/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.934	1591.862	1) Gujrat	6.273	124.885
2) Hydro	6.901	82.143	2) Madhya Pradesh	17.860	236.711
3) Gas	14.116	155.569	3) Chattisgarh	11.280	142.580
Total MSGENCO	145.951	1829.574	4) Maharashtra	48.659	629.374
B) OTHERS			5) Goa	-6.170	-77.623
1) JSW JAIGAD	25.887	338.420	6) TAPS 1&2 Injection	7.669	83.492
2) WPCL	8.015	99.020	7) RGPPL Injection	27.086	309.187
3) Other CPP / IPP	7.403	98.599	8) Pench (Excess)	-0.285	-5.037
4) Wind Generation	5.424	91.185	# Total Cent. Sector	112.372	1443.569
5) PENCH (MS)	0.285	6.158	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-6.787	-73.022
1) TPCL Thermal	25.809	331.546	G) Bilateral Power *		
2) TPCL Hydro	3.650	32.824	1) MSEDCL Bilateral	42.243	520.586
TOTAL TPCL	29.459	364.370	Include PX	0.000	0.785
3) REL Thermal	12.667	160.448	2) MUMBAI Bilateral	9.782	113.376
D) STATE			Include PX	-1.938	-22.047
1) Thermal (A1+C1+C3)	163.410	2083.856	3) MUMBAI Schedule	9.782	113.376
2) Hydro (A2+B5+C2)	10.836	121.125	H) ENERGY CATERED (MUs)		
3) Gas (A3)	14.116	155.569	1) MSEDCL	298.550	3833.503
4) Wind (B4)	5.424	91.185	2) TPCL	33.053	404.366
5) CPP (B1+B2+B3)	41.305	536.039	3) REL	15.861	193.397
TOTAL STATE	235.091	2987.774	TOTAL STATE	347.464	4431.266

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	5230	5320	5031
MSGENCO Hydro	693	315	144
MSGENCO Gas	603	484	667
MSGENCO Total Generation	6526	6119	5842
Central Sector Receipt	5083	5237	3858
WIND	160	124	473
CPP / IPP	1669	1756	1563
Exchange with Mumbai	-280	-361	-7
MSEDCL DEMAND MET	13158	12923	11729
Load Shedding (LS)	686	0	0
MSEDCL DEMAND (INCL. LS)	13844	12923	11729
TPCL GENERATION	1686	1581	831
REL GENERATION	528	528	529
TPCL+REL DEMAND	2494	2470	1367
STATE DEMAND MET	15652	15393	13096
Load Management (LM)	2023	3443	1589
Total Load Relief (LS+LM)	2709	3443	1589
UNRESTRICTED STATE DEMAND	18361	18836	14685
Frequency (Hz)	49.86	49.85	50.12

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 04.04 Hrs	49.08 Hz at 17.41 Hrs	49.92	.2 % 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 13/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.10	43.21	140	104	143
Unit 6	3.30	40.44	155	100	147
Unit 7	3.75	42.88	190	53	181
Total	10.15	126.54			471
Bhusawal					
Unit 2	4.08	38.06	180	160	170
Unit 3	4.36	54.90	195	155	180
Unit 4	0.00	6.60	0	0	
Total	8.44	99.56			350
Parli					
Unit 3	4.45	26.19	198	163	200
Unit 4	4.40	54.59	203	163	180
Unit 5	3.69	49.48	175	129	165
Unit 6	4.24	57.28	215	132	165
Unit 7	0.00	27.78	0	0	0
Total	16.79	215.33			710
Chandrapur					
Unit 1	0.00	40.24	0	0	0
Unit 2	4.04	51.60	172	165	170
Unit 3	4.49	35.50	196	175	190
Unit 4	4.71	60.30	202	191	200
Unit 5	10.69	139.12	465	415	450
Unit 6	10.81	137.19	465	430	430
Unit 7	10.75	130.78	460	428	450
Total	45.49	594.73			1890
Paras					
Unit 3	5.79	71.93	258	217	230
Unit 4	5.80	61.96	253	217	230
Total	11.59	133.89			460
Khaparkheda					
Unit 1	4.70	63.48	215	160	175
Unit 2	4.24	57.34	190	160	175
Unit 3	5.14	50.19	225	205	200
Unit 4	5.00	67.65	221	194	200
Unit 5	0.00	0.00	0	0	
Total	19.06	238.67			750
Nasik					
Unit 3	4.78	65.16	220	170	190
Unit 4	4.46	59.00	200	164	190
Unit 5	4.16	58.98	202	150	180
Total	13.41	183.14			560
Uran					
All Units	14.12	155.57	670	484	630
Total	14.12	155.57			630
PENCH (MS)					
Pench (MS)	0.28	6.16	52	0	
Total	0.28	6.16			
Koyna					
Stage 1-2	2.11	21.65	240	35	440
Stage 4	0.00	0.40	0	0	250
Stage 3	0.33	5.83	158	0	320
Total	2.44	27.88			1010
Kovna 12&4 Total	2.11	22.05			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.91	9.15	38	37	38
VTRNA	0.00	0.40	0	0	0
TILLARI	0.38	4.44	60	0	0
BHTGR/VEER	0.10	0.52	5	4	5
BHIRA T.R.	0.10	1.44	40	0	0
RNGR+BHTSA	0.32	4.26	14	13	15
BHANDARDRA	0.05	0.05	14	0	0
ELDARY	0.28	3.77	12	11	0
SMLHY PTN	0.89	12.35	37	37	10
GHATGHAR	1.43	17.88	250	0	0
Total	4.46	54.26			68
Wind					
MalharPeth	0.13	3.88			
Vankuswadi	0.21	5.65			
ATIT	0.03	1.70			
Kale	0.12	2.40			
Satara	0.20	8.51			
Shirala	0.17	2.98			
K Mahankal	0.81	5.36			
Supa	0.29	1.70			
Vita	1.39	12.77			
Dondaicha	1.02	32.48			
Sakri	0.10	3.82			
Nandurbar	0.11	3.40			
Khandke	0.63	3.58			
Khaparale	0.20	2.94			
Total	5.42	91.18			
CPP					
JSW JAIGAD	25.89	338.42	1176	969	1095
WARDHA	8.02	99.02	359	307	360
Other CPPs	7.40	98.60			
Total	41.30	536.04			1455
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.37	130.41	505	284	500
Trombay 6	5.14	74.97	373	156	500
Trombay 7A	3.02	35.50	131	120	120
Trombay 7B	1.66	19.02	70	68	60
Trombay 8	5.63	71.65	251	184	250
TATA Hydro	3.65	32.82	401	0	447
Total	29.46	364.37			1877
REL					
1&2	12.67	160.45	529	526	500
Total	12.67	160.45			500
Cent Sect					
Share					5255
Total					5255

MS PG CL	Thermal	124.93	1591.86		5191
	Thml+Gas	139.05	1747.43		5821
	Hydro	6.90	82.14		1078
	Total	145.95	1829.57		6899
State Total		235.09	2987.77		15986

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/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 RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	5126	144	665	5935	436	1675	4708	4120	-302	-156	12010	1919	12010	1553	15482	50.05
2	5107	144	666	5917	453	1625	4642	3974	-226	-80	11889	1875	11889	1432	15196	50.11
3	5031	144	667	5842	473	1563	4113	3858	-182	-7	11729	1589	11729	1367	14685	50.12
4	5018	149	667	5834	413	1564	3933	3810	-162	33	11654	1771	11654	1327	14752	50.17
5	5044	144	668	5856	364	1575	3929	3981	-157	28	11804	1851	11857	1330	14985	50.15
6	5155	144	668	5967	360	1646	4541	4293	-149	-68	12198	2208	12530	1436	15842	50.16
7	5124	158	670	5952	353	1746	4779	4703	-208	-125	12654	2454	13221	1605	16713	50.10
8	5186	143	660	5989	315	1805	4801	5018	-239	-139	13013	2760	13582	1748	17521	49.95
9	5179	170	648	5997	319	1861	4860	4990	-307	-171	13014	2695	13580	1985	17694	50.00
10	5283	260	638	6181	289	1859	5027	5150	-383	-227	13257	2566	13761	2290	18113	50.01
11	5209	522	631	6362	215	1756	5143	5094	-855	-289	13138	2532	13678	2464	18134	49.85
12	5230	693	603	6526	160	1669	5165	5083	-886	-280	13158	2709	13844	2494	18361	49.86
13	5200	626	592	6418	112	1685	5138	4951	-767	-379	12787	2696	13459	2481	17964	49.89
14	5175	495	583	6253	59	1712	5134	5146	-484	-454	12716	2592	13325	2423	17731	49.81
15	5265	450	607	6322	33	1784	5164	5245	-483	-541	12843	2383	13330	2463	17689	49.78
16	5274	603	559	6436	31	1825	5064	5217	-482	-593	12916	2457	13521	2483	17856	49.78
17	5230	448	504	6182	32	1817	5064	4841	-471	-601	12271	2889	12946	2476	17636	49.84
18	5301	262	485	6048	41	1756	4848	4244	-448	-566	11523	2765	11640	2422	16710	49.78
19	5270	216	485	5971	94	1756	4943	4551	-452	-414	11980	3397	11980	2382	17759	49.73
20	5320	315	484	6119	124	1756	5318	5237	-452	-361	12923	3443	12923	2470	18836	49.85
21	5298	219	487	6004	155	1758	5351	5034	-447	-338	12665	3438	12665	2334	18437	49.79
22	5330	154	491	5975	169	1758	5342	4637	-442	-369	12222	3432	12222	2169	17823	49.84
23	5337	149	490	5976	185	1686	5015	4547	-405	-333	12089	3289	12089	1978	17356	49.73
24	5242	149	498	5889	239	1668	4903	4649	-393	-357	12098	2675	12098	1801	16574	49.79
MUs	124.9 3	6.90	14.12	145.95	5.42	41.30	116.92	112.37	-9.78	-6.79	298.55	62.38	305.53	48.91	409.85	49.92

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 13/Mar/2012

Position as on 6.30 Hrs of 14/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.	12/03/2012
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 Vacuum.	
Tata Trombay 4	150	14/02/2012	00.08		Continued.	Withdrawn/Cold Standby	
Cent_Sect NTPC(K-6)	500	03/03/2012	16.50		Continued.	Bottom Ash problem	
Cent_Sect NTPC(V-7)	500	06/03/2012	04.53		Continued.	Generator Protection Operated.	
Bhusawal Unit 4	500	07/03/2012	18.58		Continued.	Hand tripped.	
Parli Unit 7	250	08/03/2012	10.51	14/03/2012	02.47	Coal Shortage	
CPP WPCL U-4	135	12/03/2012	20.36		Continued.	Leakage Problem.	14/03/2012
Uran Unit 5	108	13/03/2012	16.18		Continued.	Gas shortage.	
Koradi Unit 7	210	13/03/2012	23.31		Continued.	BLR T/L.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Mar/2012

Position as on 6.30 Hrs of 14/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad- II	13/03/2012	14.29	13/03/2012	17.00	CRM testing of isolator.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Halkarni-Amona I	13/03/2012	08.31	13/03/2012	19.14	Replacement of insulator.
Tillary-Amona	13/03/2012	08.44	13/03/2012	20.15	Replacement of insulator.
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 - I	10/03/2012	16.32	13/03/2012	08.43	Over Voltage
Kolhapur - Mapusa - I	11/03/2012	20.57	13/03/2012	08.21	Over Voltage.
Dhule - S'Sarovar- II	12/03/2012	23.32		Continued.	Over Voltage.
Koradi-Bhilai	13/03/2012	16.47	13/03/2012	17.01	To take line reactor in service at Bhilai end.
Kolhapur - Mapusa - I	13/03/2012	21.26		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 - I @ Talandge	05/03/2012	14.11		Continued.	Erection of A Bus.
400/220KV 315 MVA ICT-II at Korady	09/03/2012	09.40	13/03/2012	17.35	Oil Filtration work
400/220 KV 315 MVA ICT-II @ Kharghar	13/03/2012	09.13	13/03/2012	17.32	Taken on TBC,main breaker maintenance.
400/220 KV 315 MVA ICT-I @ Nagothane	13/03/2012	10.15	13/03/2012	20.38	R.M.Work
Main Bus-II at Akola	13/03/2012	14.29	13/03/2012	18.06	Isolator alignment work.
Tie Breaker at Akola	13/03/2012	14.29	13/03/2012	18.08	BKR side isolator alignment work.
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.
Kalwa - Salshet - III	12/03/2012	10.47	13/03/2012	00.35	Hot Spot on Y Ph. C T @ Kalwa End.
Karad - Vita - I	13/03/2012	07.41	13/03/2012	19.35	Replacement of STN by DTN.
Kandalgaon - Pirangut	13/03/2012	08.01	13/03/2012	17.39	Replacement of insulator.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 13/Mar/2012

Position as on 6.30 Hrs of 14/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
220/110KV,200MVA T/F-III at Miraj	13/03/2012	09.48	13/03/2012	14.46	Q.M.Work
Bale-Usmanabad	13/03/2012	09.52	13/03/2012	15.18	Relay Testing.
Kalwa-Colourchem	13/03/2012	10.43	13/03/2012	11.45	Hot Spot.
Wadkhal-IPCL-II	13/03/2012	10.44	13/03/2012	16.50	R.M.Work
Nagothane-IPCL	13/03/2012	11.11	13/03/2012	18.23	R.M.Work
ICL - Harangool Ckt.II	13/03/2012	13.25	13/03/2012	16.50	Q.M.Work
TBC at Kalmeshwar	13/03/2012	15.30	13/03/2012	18.13	Repl.of U clamp by T clamp.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Karad - Kolhapur - II	12/03/2012	16.21	13/03/2012	09.01	Over Voltage.
Bhusawal- Aurangabad	12/03/2012	23.00	13/03/2012	07.14	Over Voltage.
Lonikand- Koyna Stage IV	13/03/2012	02.47	13/03/2012	06.49	Over Voltage.
Bhusawal- Aurangabad	13/03/2012	16.42	14/03/2012	06.03	Over Voltage.
Karad - Kolhapur - I	13/03/2012	21.56		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	01/03/2012	18.54		Continued.	To control Warora-Wardha line loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buchholz Alarm Persisting
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).
220/132 KV 200 MVA ICT - I @ Nanded	13/03/2012	11.10	13/03/2012	11.30	Winding Temp, Tripped.
Aurangabad-Jalna-I	13/03/2012	14.59	13/03/2012	15.22	Distance Protection,Z-I.
Hinganghat-Bhugaon	13/03/2012	19.06	13/03/2012	19.16	Distance Protection,Z-I.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 14/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	110
Unit 6	210	148
Unit 7	210	0
	620	258
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	170
Unit 4	210	172
Unit 5	210	168
Unit 6	250	200
Unit 7	250	65
	1130	775
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	195
Unit 4	210	205
Unit 5	500	450
Unit 6	500	450
Unit 7	500	450
	2340	1920
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	500	
	1340	840
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	200
	630	620
Uran		
All Units	852	480
	852	480
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	36
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	12
GHATGHAR	250	0
	611	148
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	600	995
WARDHA	405	360
Other CPPs	0	
	1005	1355
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	5377
	3455	5377

	17900	7 of 7	16010
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