



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

State Load Dispatch Center, Airoli

Daily system Report

for

14/Mar/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 14/Mar/2012 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.630	1719.492	1) Gujrat	13.810	138.695
2) Hydro	8.017	90.160	2) Madhya Pradesh	18.324	255.035
3) Gas	10.775	166.344	3) Chattisgarh	12.440	155.020
Total MSGENCO	146.422	1975.996	4) Maharashtra	48.882	678.256
B) OTHERS			5) Goa	-6.521	-84.144
1) JSW JAIGAD	25.668	364.088	6) TAPS 1&2 Injection	7.748	91.240
2) WPCL	7.968	106.988	7) RGPPL Injection	27.683	336.870
3) Other CPP / IPP	7.694	106.293	8) Pench (Excess)	-0.328	-5.365
4) Wind Generation	5.421	96.606	# Total Cent. Sector	122.038	1565.607
5) PENCH (MS)	0.328	6.486	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-7.339	-80.361
1) TPCL Thermal	27.118	358.664	G) Bilateral Power *		
2) TPCL Hydro	3.248	36.072	1) MSEDCL Bilateral	42.760	563.346
TOTAL TPCL	30.366	394.736	Include PX	0.000	0.785
3) REL Thermal	12.378	172.826	2) MUMBAI Bilateral	10.458	123.834
D) STATE			Include PX	-1.322	-23.370
1) Thermal (A1+C1+C3)	167.126	2250.982	3) MUMBAI Schedule	10.458	123.834
2) Hydro (A2+B5+C2)	11.593	132.718	H) ENERGY CATERED (MUs)		
3) Gas (A3)	10.775	166.344	1) MSEDCL	308.200	4141.703
4) Wind (B4)	5.421	96.606	2) TPCL	34.055	438.421
5) CPP (B1+B2+B3)	41.330	577.369	3) REL	16.026	209.423
TOTAL STATE	236.245	3224.019	TOTAL STATE	358.281	4789.547

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	5467	5324	4967
MSGENCO Hydro	841	373	149
MSGENCO Gas	451	437	499
MSGENCO Total Generation	6759	6134	5615
Central Sector Receipt	5174	5795	4485
WIND	231	94	333
CPP / IPP	1760	1760	1607
Exchange with Mumbai	-389	-401	-96
MSEDCL DEMAND MET	13535	13433	11944
Load Shedding (LS)	716	0	0
MSEDCL DEMAND (INCL. LS)	14251	13433	11944
TPCL GENERATION	1674	1572	836
REL GENERATION	527	527	457
TPCL+REL DEMAND	2590	2500	1389
STATE DEMAND MET	16125	15933	13333
Load Management (LM)	1940	3314	1617
Total Load Relief (LS+LM)	2656	3314	1617
UNRESTRICTED STATE DEMAND	18781	19247	14950
Frequency (Hz)	49.80	49.75	49.82

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 18.01 Hrs	49.22 Hz at 18.54 Hrs	49.8	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 14/Mar/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	2.74	45.96	132	90	110
Unit 6	3.56	44.00	161	129	148
Unit 7	0.00	42.88	0	0	0
Total	6.30	132.84			258
Bhusawal					
Unit 2	4.14	42.20	180	160	170
Unit 3	4.68	59.58	200	190	180
Unit 4	0.00	6.60	0	0	
Total	8.82	108.37			350
Parli					
Unit 3	4.25	30.45	192	152	170
Unit 4	4.63	59.22	206	169	172
Unit 5	4.10	53.58	186	143	168
Unit 6	5.01	62.29	246	171	200
Unit 7	3.68	31.47	236	0	65
Total	21.67	237.00			775
Chandrapur					
Unit 1	0.00	40.24	0	0	0
Unit 2	4.02	55.62	171	160	170
Unit 3	4.60	40.10	196	180	195
Unit 4	4.52	64.82	204	165	205
Unit 5	10.97	150.09	480	440	450
Unit 6	10.94	148.13	465	425	450
Unit 7	10.69	141.48	471	418	450
Total	45.75	640.48			1920
Paras					
Unit 3	6.04	77.97	258	240	250
Unit 4	5.88	67.84	261	186	250
Total	11.92	145.81			500
Khaparkheda					
Unit 1	4.84	68.32	215	160	210
Unit 2	4.26	61.61	192	146	210
Unit 3	5.27	55.46	224	210	210
Unit 4	4.92	72.57	222	181	210
Unit 5	0.00	0.00	0	0	
Total	19.30	257.97			840
Nasik					
Unit 3	4.77	69.92	220	170	210
Unit 4	4.71	63.71	210	173	210
Unit 5	4.40	63.39	200	166	200
Total	13.88	197.02			620
Uran					
All Units	10.78	166.34	502	315	480
Total	10.78	166.34			480
PENCH (MS)					
Pench (MS)	0.33	6.49	51	0	
Total	0.33	6.49			
Koyna					
Stage 1-2	2.24	23.90	410	40	440
Stage 4	1.56	1.96	411	0	250
Stage 3	0.82	6.65	160	0	320
Total	4.63	32.51			1010
Kovna 12&4 Total	3.81	25.86			690

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.62	9.77	40	19	36
VTRNA	0.00	0.40	0	0	0
TILLARI	0.37	4.80	60	0	60
BHTGR/VEER	0.10	0.62	4	4	0
BHIRA T.R.	0.15	1.59	51	0	40
RNGR+BHTSA	0.35	4.61	15	14	0
BHANDARDRA	0.00	0.05	0	0	0
ELDARY	0.28	4.05	12	10	0
SMLHY PTN	0.96	13.31	40	40	12
GHATGHAR	0.56	18.44	250	0	0
Total	3.38	57.65			148
Wind					
MalharPeth	0.18	4.06			
Vankuswadi	0.38	6.03			
ATIT	0.06	1.76			
Kale	0.18	2.58			
Satara	1.42	9.94			
Shirala	0.27	3.25			
K Mahankal	0.03	5.39			
Supa	0.12	1.82			
Vita	1.24	14.02			
Dondaicha	0.89	33.37			
Sakri	0.05	3.87			
Nandurbar	0.09	3.49			
Khandke	0.34	3.92			
Khaparale	0.16	3.10			
Total	5.42	96.61			
CPP					
JSW JAIGAD	25.67	364.09	1099	979	995
WARDHA	7.97	106.99	347	307	360
Other CPPs	7.69	106.29			
Total	41.33	577.37			1355
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.31	140.71	503	281	500
Trombay 6	6.90	81.87	422	156	500
Trombay 7A	2.76	38.26	127	82	120
Trombay 7B	1.59	20.61	70	57	60
Trombay 8	5.56	77.22	251	184	250
TATA Hydro	3.25	36.07	344	0	447
Total	30.37	394.74			1877
REL					
1&2	12.38	172.83	528	429	500
Total	12.38	172.83			500
Cent Sect					
Share					5377
Total					5377

MS PG CL	Thermal	127.63	1719.49		5263
	Thml+Gas	138.40	1885.84		5743
	Hydro	8.02	90.16		1158
	Total	146.42	1976.00		6901
State Total		236.24	3224.02		16010

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/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	5160	148	498	5806	262	1639	4743	4757	-302	-279	12185	1929	12185	1614	15728	49.88
2	5035	154	498	5687	301	1606	4620	4677	-230	-136	12135	1893	12135	1465	15493	49.77
3	4967	149	499	5615	333	1607	4559	4485	-220	-96	11944	1617	11944	1389	14950	49.82
4	4997	164	497	5658	411	1610	4534	4371	-193	-92	11958	1808	11958	1346	15112	49.87
5	5028	154	502	5684	412	1622	4530	4404	-193	-88	12034	1822	12035	1350	15206	49.81
6	5174	158	498	5830	390	1693	4750	4571	-197	-80	12404	1896	12412	1452	15752	49.74
7	5366	154	502	6022	468	1760	4977	4916	-247	-178	13011	2086	13202	1635	16732	49.71
8	5407	150	491	6048	423	1763	5026	5323	-307	-241	13342	2780	13922	1782	17904	49.80
9	5389	248	488	6125	412	1758	5003	5261	-293	-218	13351	2682	13929	2015	18048	49.94
10	5432	385	473	6290	422	1754	5159	5300	-357	-283	13483	2516	14017	2346	18345	49.75
11	5515	506	456	6477	343	1768	5339	5497	-891	-375	13710	2506	14291	2535	18751	49.74
12	5467	841	451	6759	231	1760	5385	5174	-945	-389	13535	2656	14251	2590	18781	49.80
13	5412	961	445	6818	127	1756	5369	4999	-850	-408	13292	2651	14004	2586	18529	49.77
14	5414	699	443	6556	71	1762	5356	5420	-574	-447	13362	2564	14031	2532	18458	49.75
15	5470	581	438	6489	39	1762	5303	5818	-565	-488	13620	2280	14118	2563	18463	49.78
16	5461	680	462	6603	35	1755	5186	5672	-556	-479	13586	2261	14101	2560	18407	49.80
17	5461	518	467	6446	31	1764	5121	5242	-481	-476	13007	2607	13517	2557	18171	49.87
18	5447	141	470	6058	38	1762	4878	4845	-436	-544	12159	3008	12643	2499	17666	49.83
19	5370	241	471	6082	62	1760	4995	4820	-452	-378	12372	3483	12596	2436	18291	49.86
20	5324	373	437	6134	94	1760	5356	5795	-452	-401	13433	3314	13433	2500	19247	49.75
21	5246	207	315	5768	148	1761	5395	5520	-447	-359	12889	3314	12889	2360	18563	49.70
22	5275	134	324	5733	161	1766	5386	5248	-442	-260	12698	3314	12698	2114	18126	49.88
23	5405	133	325	5863	106	1694	5094	4923	-442	-320	12316	3172	12316	2001	17489	49.80
24	5408	138	325	5871	101	1688	4929	5000	-383	-324	12374	2576	12374	1856	16806	49.79
MUs	127.6 3	8.02	10.78	146.42	5.42	41.33	120.99	122.04	-10.46	-7.34	308.20	60.74	315.00	50.08	419.02	49.80

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 14/Mar/2012

Position as on 6.30 Hrs of 15/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 Vaccum.	
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.	
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.	
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.	
Uran Unit A0	120	14/03/2012	20.05		Continued.	Maintenance work.	
Uran Unit 6	108	14/03/2012	20.14		Continued.	Maintenance work.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Mar/2012

Position as on 6.30 Hrs of 15/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tillary-Amona	14/03/2012	08.32	14/03/2012	19.22	Replacement of insulator.
Halkarni-Amona I	14/03/2012	08.33	14/03/2012	19.21	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 - S'Sarovar- II	12/03/2012	23.32		Continued.	Over Voltage.
Kolhapur - Mapusa - I	13/03/2012	21.26	14/03/2012	08.23	Over Voltage.
Kolhapur - Mapusa - II	14/03/2012	22.23		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	14/03/2012	08.22	Erection of A Bus.
400/220 KV 500 MVA ICT-II at Lamboti	14/03/2012	11.40	14/03/2012	18.18	Attending oil leakage.
Main Bus-II @ Kolhapur	14/03/2012	16.48		Continued.	Alignment of B Bus pentagraph isolator of ICT.
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 strengthening work
Khargar-Topworth	15/02/2012	07.47		Continued.	Mumbai system strengthening 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.
Kanhan - Umred	14/03/2012	08.12	14/03/2012	18.30	Tower erection and stringing of 400 KV D/C Mouda-Wardha line.
Warora - Wani	14/03/2012	08.51	14/03/2012	18.44	Repl.of R-Ph,CT.
Chandrapur - Rly TSS - II	14/03/2012	09.50	14/03/2012	15.47	Repl.of cut point disc insulator string at Loc.no.5.
Half Bus Section II at Kanhan	14/03/2012	11.24	14/03/2012	17.49	Jumpering work of new 220 KV Umred Ckt II bay.
220/100 KV,200 MVA ICT-I @ Apta	14/03/2012	11.27	14/03/2012	18.13	CTR commsissioning work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Aurangabad-Deepnagar-II	16/02/2012	16.56		Continued.	Over Voltage.
Bhusawal- Aurangabad	13/03/2012	16.42	14/03/2012	06.03	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Mar/2012

Position as on 6.30 Hrs of 15/Mar/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	13/03/2012	21.56	14/03/2012	08.33	Over Voltage.
Bhusawal- Aurangabad	14/03/2012	17.33	15/03/2012	06.11	Over Voltage.
Karad - Kolhapur - I	14/03/2012	18.15		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	01/03/2012	18.54	14/03/2012	08.49	To control Warora-Wardha line loading.
Chandrapur - Warora	14/03/2012	21.22		Continued.	To control 220 KV Warora-Hinganghat,Warora-Wardha line
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).

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 15/Mar/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	114
Unit 6	210	144
Unit 7	210	0
	620	258
Bhusawal		
Unit 2	210	170
Unit 3	210	180
Unit 4	500	
	920	350
Parli		
Unit 3	210	200
Unit 4	210	180
Unit 5	210	150
Unit 6	250	175
Unit 7	250	170
	1130	875
Chandrapur		
Unit 1	210	0
Unit 2	210	170
Unit 3	210	195
Unit 4	210	210
Unit 5	500	475
Unit 6	500	450
Unit 7	500	450
	2340	1950
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	300
	852	300
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	18
VTRNA	60	0
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	11
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	295
Other CPPs	0	
	1005	1290
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	5263
	3455	5263

	17900	7 of 7 15781
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