



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Feb/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	117.192	359.790	1) Gujrat	5.440	15.653
2) Hydro	28.366	59.543	2) Madhya Pradesh	17.827	52.372
3) Gas	7.414	22.232	3) Chattisgarh	8.330	25.320
Total MSGENCO	152.972	441.565	4) Maharashtra Net	92.260	260.723
B) 1) JSW JAIGAD	19.911	57.748	(Incl. 765kV Solapur-Raichur)	0.696	0.173
2) WPCL	2.432	7.459	5) Goa	-5.668	-15.740
3) ADANI	14.490	69.670	6) TAPS 1&2 Injection	5.775	15.734
4) Other CPP / IPP	18.190	49.411	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.463	15.617	8) Pench (Excess)	-0.393	-1.067
6) PENCH (MS)	0.393	1.067	# Total Cent. Sector	123.571	352.995
7) SOLAR	1.084	3.267	F) Other Exchanges		
C) 1) TPCL Thermal	15.426	44.586	1) With TPCL (Excess)	-17.491	-50.020
2) TPCL Hydro	5.090	10.737	G) Bilateral Power *		
TOTAL TPCL	20.516	55.323	1) MSEDCL Bilateral	16.514	45.033
3) REL Thermal	12.578	34.867	Include PX	0.398	0.789
D) STATE			2) MUMBAI Bilateral	15.757	41.848
1) Thermal (A1+C1+C3)	145.196	439.243	Include PX	7.937	17.670
2) Hydro (A2+B6+C2)	33.849	71.347	3) MUMBAI Schedule	15.757	41.848
3) Gas (A3)	7.414	22.232	H) ENERGY CATERED (MUs)		
4) Wind (B5)	2.463	15.617	1) MSEDCL	318.015	948.779
5) CPP/IPP (B1+B2+B3+B4)	55.023	129.108	2) TPCL	33.400	90.478
6) SOLAR (B7)	1.084	3.267	3) REL	17.182	49.726
TOTAL STATE	245.029	680.814	TOTAL STATE	368.597	1088.983

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	4873	5044	4723
MSGENCO Hydro	2394	1893	301
MSGENCO Gas	312	294	312
MSGENCO Total Generation	7579	7231	5336
Central Sector Receipt	6102	5509	4195
WIND	78	60	202
CPP / IPP	2365	2369	2198
SOLAR	142	60	0
Exchange with Mumbai	-904	-913	-381
MSEDCL DEMAND MET	15389	14329	11550
Load Shedding	692	738	130
MSEDCL DEMAND	16081	15067	11680
TPCL GENERATION	1138	1092	491
R-INFRA GENERATION	522	524	526
TPCL+R-INFRA DEMAND	2564	2529	1398
STATE DEMAND MET	17953	16858	12948
STATE DEMAND	18645	17596	13078
Frequency (Hz)	49.82	49.91	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 05.57 Hrs	49.62 Hz at 18.21 Hrs	49.95	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 03/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.49	10.55	160	128	140
Unit 6	0.00	0.00	0	0	0
Unit 7	3.97	11.48	175	155	160
Total	7.46	22.03			300
Bhusawal					
Unit 2	3.74	11.14	165	140	160
Unit 3	3.76	11.83	170	130	160
Unit 4	9.46	30.22	425	355	500
Unit 5	0.18	8.44	100	0	0
Total	17.15	61.62			820
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.13	0.13	43	0	0
Unit 5	3.90	11.77	175	120	160
Unit 6	5.50	15.78	253	187	215
Unit 7	5.38	15.46	249	189	240
Total	14.92	43.14			615
Chandrapur					
Unit 1	3.30	9.76	142	134	140
Unit 2	0.00	0.00	0	0	0
Unit 3	4.29	11.91	184	171	180
Unit 4	4.79	13.83	209	162	200
Unit 5	0.00	0.00	0	0	0
Unit 6	10.02	29.06	440	377	425
Unit 7	8.44	24.06	400	299	350
Total	30.83	88.63			1295
Paras					
Unit 3	5.39	16.18	250	206	230
Unit 4	5.55	16.55	250	182	230
Total	10.94	32.74			460
Khaparkheda					
Unit 1	4.33	12.08	195	165	180
Unit 2	3.42	10.16	185	90	180
Unit 3	4.55	12.34	192	175	190
Unit 4	4.65	13.34	202	169	190
Unit 5	11.03	31.22	495	397	500
Total	27.97	79.13			1240
Nasik					
Unit 3	3.56	11.44	185	0	180
Unit 4	4.36	12.96	195	165	190
Unit 5	0.00	8.11	0	0	0
Total	7.91	32.50			370
Uran					
All Units	7.41	22.23	324	290	320
Total	7.41	22.23			320
PENCH (MS)					
Pench (MS)	0.39	1.07	52	0	
Total	0.39	1.07			
Koyna					
Stage 1-2	8.18	13.19	585	40	600
Stage 4	11.72	24.16	1120	0	250
Stage 3	3.98	8.15	320	0	320
Kovna 12&4 Total	19.89	37.35			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	23.88	45.49			1170
Hydro					
KDPH	0.55	1.46	37	18	19
VTRNA	0.00	0.00	0	0	0
TILLARI	0.42	1.27	64	0	64
BHTGR/VEER	0.06	0.18	3	2	3
BHIRA T.R.	0.00	0.00	0	0	0
RNGR+BHTSA	0.37	1.13	16	14	17
BHANDARDRA	0.00	0.14	0	0	0
ELDARY	0.36	1.08	15	15	0
SMLHY PTN	0.99	2.57	49	38	24
GHATGHAR	1.74	6.22	240	0	0
Total	4.49	14.05			127
Wind					
MalharPeth	0.17	0.61			
Vankuswadi	0.20	1.03			
ATIT	0.01	0.08			
Kale	0.06	0.33			
Satara	0.88	5.38			
Shirala	0.09	0.37			
K Mahankal	0.01	0.06			
Supa	0.03	0.23			
Vita	0.43	2.62			
Dondaicha	0.41	3.15			
Sakri	0.03	0.31			
Nandurbar	0.02	0.20			
Khandke	0.06	0.64			
Khaparale	0.07	0.60			
Total	2.46	15.62			
CPP					
JSW JAIGAD	19.91	57.75	902	761	785
WARDHA	2.43	7.46	103	98	179
Adani	14.49	69.67	610	600	623
Other CPPs	18.19	49.41			245
Total	55.02	184.29			1832
SOLAR					
Total	1.08	3.27			
Total	1.08	3.27			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.96	31.08	501	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.84	8.58	129	100	120
Trombay 7B	1.63	4.92	71	62	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.09	10.74	471	0	447
Total	20.52	55.32			1127
REL					
1&2	12.58	34.87	527	522	500
Total	12.58	34.87			500
Cent Sect					
Share					5205
Total					5205
MS PG CL	Thermal	117.19	359.79		5100
	Thml+Gas	124.61	382.02		5420
	Hydro	28.37	59.54		1297
	Total	152.97	441.56		6717
State Total		245.03	680.81		15381

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/Feb/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4755	261	306	5322	314	2195	0	4048	4342	-503	-583	11590	106	11696	1598	13294	50.05
2	4763	301	306	5370	215	2199	0	4196	4174	-458	-486	11472	114	11586	1504	13090	50.02
3	4723	301	312	5336	202	2198	0	4315	4195	-445	-381	11550	130	11680	1398	13078	50.00
4	4724	136	317	5177	165	2209	0	4362	4394	-420	-343	11602	139	11741	1362	13103	49.99
5	4795	131	317	5243	108	2200	0	4362	4560	-419	-339	11772	146	11918	1384	13302	49.90
6	4900	576	322	5798	81	2197	0	4452	4565	-467	-359	12314	288	12602	1485	14087	49.93
7	4873	1113	323	6309	94	2208	0	4651	4796	-512	-436	13021	841	13862	1669	15531	49.87
8	4939	1756	324	7019	96	2224	10	4702	5083	-549	-490	13994	966	14960	1834	16794	49.86
9	5008	2398	319	7725	95	2347	57	4509	5127	-479	-455	14948	884	15832	2085	17917	49.89
10	5041	2417	311	7769	99	2360	80	4940	5587	-753	-674	15244	650	15894	2367	18261	49.83
11	4873	2394	312	7579	78	2365	142	5239	6102	-856	-904	15389	692	16081	2564	18645	49.82
12	4930	2399	298	7627	56	2378	129	5291	5931	-901	-969	15175	825	16000	2643	18643	50.00
13	4890	2328	296	7514	42	2384	162	5618	6015	-883	-991	15126	927	16053	2633	18686	49.98
14	4922	2178	290	7390	53	2350	173	5618	5801	-779	-920	14847	821	15668	2534	18202	49.99
15	4921	2090	293	7304	45	2353	136	5329	6067	-786	-889	15016	656	15672	2552	18224	49.90
16	4976	2145	295	7416	47	2363	118	5325	5899	-788	-873	14970	731	15701	2541	18242	49.89
17	5044	1893	294	7231	60	2369	60	5218	5509	-826	-913	14329	738	15067	2529	17596	49.91
18	4970	1206	305	6481	59	2360	17	4875	5047	-653	-1063	12926	695	13621	2490	16111	50.02
19	4964	477	307	5748	87	2402	0	5146	5210	-701	-966	12507	514	13021	2478	15499	49.86
20	4961	271	309	5541	120	2356	0	5153	5708	-872	-961	12814	614	13428	2487	15915	50.01
21	4950	212	311	5473	101	2291	0	4931	5281	-726	-1034	12132	415	12547	2370	14917	49.93
22	4782	361	313	5456	88	2240	0	4506	5502	-614	-962	12324	247	12571	2191	14762	50.03
23	4818	541	318	5677	80	2238	0	4379	4402	-659	-852	11545	167	11712	2038	13750	50.00
24	4668	481	316	5465	81	2237	0	4356	4274	-710	-648	11409	140	11549	1849	13398	50.00
MUs	117.19	28.37	7.41	152.97	2.47	55.02	1.08	115.52	123.57	-15.76	-17.49	318.02	12.45	330.46	50.58	381.05	49.95

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 03/Feb/2014

Position as on 6.30 Hrs of 04/Feb/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Chandrapur Unit 5	500	14/07/2013	00.01		Continued.	Condenser replacement work.	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
CPP JSW (J) U2	300	21/10/2013	00.00		Continued.	Lack of Shedule.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	I D Fan Problem.	
Uran Unit 6	108	14/01/2014	12.45		Continued.	Gas Shortage.	
CPP WPCL U-4	135	24/01/2014	06.24		Continued.	ID Fan Vibration high.	
Koradi Unit 6	210	24/01/2014	06.51		Continued.	Coal bunkering	
Parli Unit 4	210	28/01/2014	18.36	03/02/2014	19.56	Air Preheater Problem.	
Uran Unit B0	120	29/01/2014	17.50		Continued.	Gas Shortage.	
Uran Unit 7	108	29/01/2014	18.05		Continued.	Gas Shortage.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP Adani U-2	660	31/01/2014	15.15		Continued.	super heater problem	
Bhusawal Unit 5	500	02/02/2014	00.42	03/02/2014	21.56	BLR T/L.	
CPP Adani U1	660	02/02/2014	20.59		Continued.	leakage in water value header drain line	
Nasik Unit 5	210	02/02/2014	21.50	04/02/2014	03.35	spt line leakage	
Nasik Unit 3	210	03/02/2014	21.05		Continued.	Strn. T/F Overload	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Feb/2014

Position as on 6.30 Hrs of 04/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad(PG)- II	01/02/2014	08.56	03/02/2014	21.07	LILO at A'Bad PG
A"Bad - A'Bad (PG)- II	03/02/2014	21.25	03/02/2014	21.26	Newly Charged
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	01/02/2014	08.15		Continued.	Outage on Akola-A'bad II
Kolhapur-Mapusa-II	02/02/2014	16.18	03/02/2014	09.04	over voltage
Dhule-Sar'Sarovar - I	02/02/2014	22.21	03/02/2014	07.15	Over Voltage.
Kolhapur - Mapusa - I	03/02/2014	16.18		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	03/02/2014	21.35		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Aurangabad(M)- Aurangabad PG	01/02/2014	09.00	03/02/2014	22.40	LILO at A'ba PG
Khadka - Deepnagar - II	03/02/2014	10.02	03/02/2014	12.10	Taking oil Sample From Line CT
400/220 KV 315MVA ICT- II @ Kolhapur	03/02/2014	10.43		Continued.	Q.M & Testing Work.
Karad - Kolhapur - I	03/02/2014	11.25		Continued.	Replacement Of Insulator Strings At LOC No.253-259. RFC - 18:38hrs.
400/220 KV 315 MVA ICT- II @ Kharghar	03/02/2014	12.25	03/02/2014	18.57	Taken On TBC For Resting work (H.V.SIDE).
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTENING WORK
Butibori MIDC - VIPL - I	29/01/2014	11.37		Continued.	Removing Metering Connection From Existing Summation Meter Module for VIPL-I & II.
Vita - Lamboti	31/01/2014	17.09		Continued.	connecting of 3 nos.of jumps at mahuli
Oni - Kharepatan	03/02/2014	09.07	03/02/2014	18.30	Q.M & Treecutting Work.
220/132KV 200 MVA ICT- I @ Amravati	03/02/2014	09.52	03/02/2014	16.22	Jumper Connection work
Halkarni - Momewadi -I	03/02/2014	10.11	03/02/2014	14.20	Q.M & Testing Work.
Mudshingi - Peth	03/02/2014	10.22	03/02/2014	18.27	Replacement Of Insulator Strings.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG - Aurangabad - II	09/01/2014	13.41	04/02/2014	05.58	over voltage
Dabhol - New Koyana - I	22/01/2014	00.02		Continued.	Over Voltage.
Karad-Jaigad I	02/02/2014	16.26	03/02/2014	08.49	over voltage
Karad - Kolhapur - II	02/02/2014	16.33	03/02/2014	07.00	over voltage
Lonikand-Stage4	02/02/2014	18.10	03/02/2014	07.02	over voltage
Warora - Tiroda - II	02/02/2014	20.58		Continued.	H/T due to withdrawal adani u-1
Karad-Jaigad I	03/02/2014	16.31		Continued.	H/T For O/V.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Feb/2014

Position as on 6.30 Hrs of 04/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Bhusawal- Aurangabad	03/02/2014	23.00		Continued.	Over Volatge.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L
Chikhali - Jalna - I	06/01/2014	19.47		Continued.	Paras-Chikhali O/L
Voltage Level : 132KV			Outage Type HAND TRIPPED		
Mansar - Pench	11/01/2014	19:17		Continued.	Completion of Khaperkheda-Kanhan Outage and Withdeawal of Pench Suport.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/01/2014	21.49		Continued.	over voltage
Lonikand-Stage4	04/02/2014	06.38		Continued.	Distance Protection B Phase Zone 1.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Trombay - Sonkar	04/02/2014	05.40		Continued.	Y Phase Ground Fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	135
Unit 6	210	0
Unit 7	210	150
	620	285
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	400
Unit 5	500	215
	1420	935
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	130
Unit 6	250	245
Unit 7	250	230
	1130	765
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	425
Unit 7	500	380
	2340	1345
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	450
	1340	1190
Nasik		
Unit 3	210	0
Unit 4	210	190
Unit 5	210	190
	630	380
Uran		
All Units	852	320
	852	320
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	36
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	10
BHIRA T.R.	80	0
RNGR+BHTSA	20	10
BHANDARDRA	45	10
ELDARY	23	
SMLHY PTN	12	14
GHATGHAR	250	
	611	144
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	850
WARDHA	405	120
Adani	1980	623
Other CPPs	300	245
	3885	1838
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5350
	3455	5350