



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

State Load Dispatch Center, Airoli

Daily system Report

for

18/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 18/Feb/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.151	2182.306	1) Gujrat	2.303	102.335
2) Hydro	24.879	302.369	2) Madhya Pradesh	14.756	303.327
3) Gas	7.546	113.860	3) Chattisgarh	8.270	158.950
Total MSGENCO	157.576	2598.535	4) Maharashtra Net	84.685	1534.956
B) 1) JSW JAIGAD	19.453	341.724	(Incl. 765kV Solapur-Raichur)	-0.302	-9.284
2) WPCL	2.273	50.928	5) Goa	-5.439	-100.245
3) ADANI	14.460	586.780	6) TAPS 1&2 Injection	7.560	124.379
4) Other CPP / IPP	23.374	313.352	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.947	107.190	8) Pench (Excess)	-0.509	-7.521
6) PENCH (MS)	0.509	7.573			
7) SOLAR	1.275	19.610	# Total Cent. Sector	111.626	2116.181
C) 1) TPCL Thermal	14.560	264.836	F) Other Exchanges		
2) TPCL Hydro	4.940	64.333	1) With TPCL (Excess)	-16.058	-302.672
TOTAL TPCL	19.500	329.169	G) Bilateral Power *		
3) REL Thermal	11.963	209.829	1) MSEDCL Bilateral	15.825	270.172
D) STATE			Include PX	0.000	-2.508
1) Thermal (A1+C1+C3)	151.674	2656.971	2) MUMBAI Bilateral	15.273	253.910
2) Hydro (A2+B6+C2)	30.328	374.275	Include PX	1.981	90.704
3) Gas (A3)	7.546	113.860	3) MUMBAI Schedule	15.273	259.429
4) Wind (B5)	6.947	107.190	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	59.560	720.464	1) MSEDCL	321.435	5839.201
6) SOLAR (B7)	1.275	19.610	2) TPCL	31.046	543.289
TOTAL STATE	257.330	3992.370	3) REL	16.453	298.344
			TOTAL STATE	368.934	6680.834

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5473	5249	4947
MSGENCO Hydro	2062	1959	120
MSGENCO Gas	312	297	324
MSGENCO Total Generation	7847	7505	5391
Central Sector Receipt	4826	5088	4080
WIND	375	59	490
CPP / IPP	2664	2597	2256
SOLAR	155	79	0
Exchange with Mumbai	-755	-757	-355
MSEDCL DEMAND MET	15159	14597	11862
Load Shedding	903	496	25
MSEDCL DEMAND	16062	15093	11887
TPCL GENERATION	1160	1091	497
R-INFRA GENERATION	525	524	404
TPCL+R-INFRA DEMAND	2440	2372	1256
STATE DEMAND MET	17599	16969	13118
STATE DEMAND	18502	17465	13143
Frequency (Hz)	50.01	50.01	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 17.29 Hrs	49.76 Hz at 06.36 Hrs	50.05	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 18/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	44.42	0	0	0
Unit 6	3.64	15.45	170	125	170
Unit 7	3.82	62.23	170	130	170
Total	7.45	122.10			340
Bhusawal					
Unit 2	3.30	62.13	150	125	145
Unit 3	3.72	68.03	170	135	160
Unit 4	9.26	165.20	460	310	500
Unit 5	7.26	118.45	355	265	344
Total	23.54	413.80			1149
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.99	48.08	183	97	160
Unit 5	3.93	68.73	178	149	156
Unit 6	4.26	91.71	227	0	170
Unit 7	5.28	88.26	250	187	184
Total	17.46	296.78			670
Chandrapur					
Unit 1	3.04	58.79	138	111	120
Unit 2	0.00	0.00	0	0	0
Unit 3	4.29	76.06	190	165	160
Unit 4	4.83	82.80	207	195	200
Unit 5	0.00	0.00	0	0	0
Unit 6	9.74	149.84	440	360	370
Unit 7	8.86	147.16	398	320	370
Total	30.75	514.66			1220
Paras					
Unit 3	5.19	93.85	248	178	190
Unit 4	5.39	82.71	254	192	230
Total	10.58	176.56			420
Khaparkheda					
Unit 1	4.09	74.08	195	145	180
Unit 2	4.04	65.68	195	115	180
Unit 3	4.62	79.00	199	170	195
Unit 4	4.34	78.76	192	167	190
Unit 5	9.58	190.29	493	280	500
Total	26.66	487.82			1245
Nasik					
Unit 3	0.00	36.66	0	0	0
Unit 4	4.35	65.26	190	169	190
Unit 5	4.34	68.65	192	172	190
Total	8.69	170.58			380
Uran					
All Units	7.55	113.86	324	294	320
Total	7.55	113.86			320
PENCH (MS)					
Pench (MS)	0.51	7.57	47	0	
Total	0.51	7.57			
Koyna					
Stage 1-2	5.00	61.84	450	40	450
Stage 4	11.66	115.13	1120	0	250
Stage 3	3.39	37.82	292	0	320
Kovna 12&4 Total	16.66	176.97			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	20.05	214.79			1020
Hydro					
KDPH	0.45	10.76	19	18	31
VTRNA	0.00	0.00	0	0	0
TILLARI	0.41	7.17	65	0	63
BHTGR/VEER	0.06	1.07	3	2	7
BHIRA T.R.	0.16	1.57	40	0	41
RNGR+BHTSA	0.36	6.23	16	14	7
BHANDARDRA	0.11	0.26	46	0	7
ELDARY	0.00	5.34	0	0	
SMLHY PTN	1.12	18.14	54	44	8
GHATGHAR	2.16	37.03	250	0	
Total	4.83	87.58			164
Wind					
MalharPeth	0.27	3.84			
Vankuswadi	0.48	6.81			
ATIT	0.05	1.19			
Kale	0.18	2.36			
Satara	2.48	29.47			
Shirala	0.17	2.62			
K Mahankal	0.03	0.75			
Supa	0.01	1.65			
Vita	1.28	15.94			
Dondaicha	1.17	28.35			
Sakri	0.15	4.15			
Nandurbar	0.06	2.56			
Khandke	0.41	3.84			
Khaparale	0.21	3.64			
Total	6.95	107.19			
CPP					
JSW JAIGAD	19.45	341.72	902	689	825
WARDHA	2.27	50.93	98	92	95
Adani	14.46	586.78	610	590	617
Other CPPs	23.37	313.35			465
Total	59.56	1292.78			2002
SOLAR					
Total	1.28	19.61			
Total	1.28	19.61			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.22	184.98	505	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.74	50.96	116	108	120
Trombay 7B	1.60	28.90	68	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.94	64.33	471	0	447
Total	19.50	329.17			1127
REL					
1&2	11.96	209.83	525	401	500
Total	11.96	209.83			500
Cent Sect					
Share					4983
Total					4983
MS PG CL	Thermal	125.15	2182.31		5424
	Thml+Gas	132.70	2296.17		5744
	Hydro	24.88	302.37		1184
	Total	157.58	2598.54		6928
State Total		257.33	3992.37		15540

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 18/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	4962	120	322	5404	342	2318	0	4371	4411	-481	-541	11934	9	11943	1437	13380	50.16
2	4974	121	324	5419	433	2229	0	4041	4178	-380	-416	11843	25	11868	1316	13184	50.07
3	4947	120	324	5391	490	2256	0	3966	4080	-374	-355	11862	25	11887	1256	13143	50.09
4	4944	131	322	5397	548	2256	0	3967	4023	-352	-316	11908	25	11933	1215	13148	50.19
5	4991	190	324	5505	522	2331	0	4017	4195	-355	-329	12224	25	12249	1249	13498	50.04
6	5095	126	322	5543	496	2394	0	4504	4614	-395	-380	12707	51	12758	1417	14175	50.00
7	5172	627	318	6117	505	2458	0	4588	4507	-472	-457	13176	392	13568	1625	15193	49.95
8	5260	1127	321	6708	488	2640	21	4533	4716	-509	-554	14066	986	15052	1791	16843	50.02
9	5329	2083	321	7733	458	2507	62	4391	4377	-616	-567	14617	953	15570	2032	17602	50.03
10	5438	2197	321	7956	433	2614	127	4499	4735	-709	-627	15285	722	16007	2260	18267	49.98
11	5430	2248	312	7990	368	2580	178	4705	4833	-866	-764	15232	761	15993	2428	18421	50.08
12	5473	2062	312	7847	375	2664	155	4841	4826	-905	-755	15159	903	16062	2440	18502	50.01
13	5376	1859	307	7542	182	2574	174	4814	4997	-854	-770	14746	1055	15801	2433	18234	49.97
14	5309	2013	301	7623	114	2616	173	4793	4829	-792	-716	14665	906	15571	2368	17939	50.03
15	5302	2050	295	7647	54	2504	152	4778	4865	-776	-725	14523	631	15154	2380	17534	49.98
16	5286	2075	294	7655	69	2518	125	4780	5033	-775	-709	14717	505	15222	2368	17590	49.94
17	5249	1959	297	7505	59	2597	79	4756	5088	-773	-757	14597	496	15093	2372	17465	50.01
18	5273	971	306	6550	70	2578	28	4741	4581	-772	-1100	12717	449	13166	2352	15518	50.09
19	5316	504	308	6128	149	2527	1	4809	4947	-812	-969	12799	145	12944	2351	15295	50.02
20	5379	875	315	6569	171	2590	0	4808	5156	-793	-841	13656	111	13767	2428	16195	50.03
21	5386	753	317	6456	165	2535	0	4761	4737	-773	-805	13088	52	13140	2252	15392	50.11
22	5285	301	319	5905	138	2482	0	4590	4810	-647	-955	12380	23	12403	2062	14465	50.12
23	5027	195	322	5544	147	2414	0	4511	4559	-592	-897	11767	17	11784	1915	13699	50.08
24	4948	172	322	5442	171	2378	0	4444	4529	-500	-753	11767	11	11778	1774	13552	50.11
MUs	125.15	24.88	7.55	157.58	6.95	59.56	1.28	109.01	111.63	-15.27	-16.06	321.44	9.28	330.71	47.52	378.23	50.05

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 18/Feb/2014

Position as on 6.30 Hrs of 19/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.	
Chandrapur Unit 2	210	14/01/2014	12.38		Continued.	AOH	
Koyna Unit 2	75	10/02/2014	12.10		Continued.	Pressure Shaft work	01/03/2014
Koyna Unit 1	75	10/02/2014	12.25		Continued.	Pressure Shaft work	01/03/2014
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.	
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.	
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 WPCL U-4	135	12/02/2014	16.53		Continued.	Asp Prob.	
Nasik Unit 3	210	12/02/2014	18.50	19/02/2014	01.00	UAT Tripped.	
Koradi Unit 5	200	14/02/2014	01.53		Continued.	I D Fan.	
CPP Adani U1	660	15/02/2014	20.59		Continued.	Turbine Problem.	
CPP Adani U-2	660	17/02/2014	11.25		Continued.	Boiler Tube Leakage	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Parli Unit 6	250	18/02/2014	22.06	19/02/2014	01.14	Flame Failure	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 18/Feb/2014

Position as on 6.30 Hrs of 19/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
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		
Kolhapur - Mapusa - I	16/02/2014	16.15	18/02/2014	09.02	Over Voltage.
Dhule-Sar'Sarovar - II	17/02/2014	22.02	18/02/2014	09.19	Over Voltage
Kolhapur - Mapusa - I	18/02/2014	16.12		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	18/02/2014	21.53		Continued.	Over Voltage
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Talegaon PG - Aurangabad - II	14/02/2014	07.50		Continued.	Stringing Work.
Main Bus- I @ Jejuri	18/02/2014	11.19	18/02/2014	16.40	Annual Testing of Bus Bar Prot.
Bhusawal - Deepnagar - II	18/02/2014	15.55	18/02/2014	17.44	Repl.of local remote S/W of Tie CB
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 STRENGTHENING WORK
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Main Bus @ Miraj	18/02/2014	08.05	18/02/2014	17.15	Q.M.Work
Parli-Usmanabad	18/02/2014	08.56	18/02/2014	16.34	To insert Cotter Pin
Lonikand - VSNL	18/02/2014	08.56	18/02/2014	18.04	Replacement of CTs
Halkarni - Momewadi -I	18/02/2014	09.02	18/02/2014	11.51	Tan Delta
Pedambe - Oni	18/02/2014	09.15	18/02/2014	18.20	Cleaning of Insulator
220/132KV 200MVA ICT-II at Dhule	18/02/2014	09.24	18/02/2014	18.12	Hot Spot
Khaparkheda-Kawlewada-II	18/02/2014	09.46	18/02/2014	18.47	Repl. of E/W
Kalmeshwar-RLY TSS-II	18/02/2014	10.00	18/02/2014	16.00	R.M.work
Uran - JNPT	18/02/2014	11.11		Continued.	Fixing of X ARM
Lonikand-Kathapur	18/02/2014	12.21	18/02/2014	17.40	Replacement of CT under Jica
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol - Nagothane - I	05/02/2014	17.37		Continued.	Over Voltage.
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Karad - Kolhapur - II	17/02/2014	16.34	18/02/2014	09.22	Over Voltage
Karad-Jaigad I	17/02/2014	16.39	18/02/2014	09.25	Over Voltage
Bhusawal- Aurangabad	17/02/2014	17.12	18/02/2014	09.19	Over Voltage
Warora - Tiroda - II	17/02/2014	21.29		Continued.	Over Voltage
Lonikand- Koyna Stage IV	17/02/2014	21.34	18/02/2014	07.59	Over Voltage
Karad - Kolhapur - II	18/02/2014	16.07		Continued.	Over Voltage
Karad-Jaigad I	18/02/2014	16.32		Continued.	Over Voltage
Bhusawal- Aurangabad	18/02/2014	17.40		Continued.	Over Voltage
Lonikand- Koyna Stage IV	18/02/2014	22.07		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/02/2014	19.10		Continued.	To avoid O/L Paras-Chikhali line

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Feb/2014

Position as on 6.30 Hrs of 19/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Bale-Osmanbad	18/02/2014	14.51		Continued.	Distance Protection
Voltage Level : 132KV			Outage Type TRIPPED		
Buldhana-Motala	18/02/2014	08.38	18/02/2014	15.57	Distance Protection
Kanhan- Rly TSS ckt - II	18/02/2014	15.35	18/02/2014	15.55	Backup Prot.operated
Chalisgaon - Kannad	18/02/2014	18.15		Continued.	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 19/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	165
	620	315
Bhusawal		
Unit 2	210	145
Unit 3	210	160
Unit 4	500	500
Unit 5	500	290
	1420	1095
Parli		
Unit 3	210	0
Unit 4	210	155
Unit 5	210	160
Unit 6	250	184
Unit 7	250	190
	1130	689
Chandrapur		
Unit 1	210	133
Unit 2	210	0
Unit 3	210	167
Unit 4	210	201
Unit 5	500	0
Unit 6	500	420
Unit 7	500	310
	2340	1231
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	195
Unit 4	210	190
Unit 5	500	500
	1340	1245
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	320
	852	320
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	320
	1920	1020
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	65
BHTGR/VEER	21	5
BHIRA T.R.	80	41
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	55
GHATGHAR	250	
	611	200
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	821
WARDHA	405	95
Adani	1980	617
Other CPPs	300	465
	3885	1998
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	5129
	3455	5129