



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Feb/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	118.732	242.598	1) Gujrat	6.389	10.213
2) Hydro	16.048	31.177	2) Madhya Pradesh	17.118	34.545
3) Gas	7.330	14.818	3) Chattisgarh	8.030	16.990
Total MSGENCO	142.110	288.593	4) Maharashtra Net	82.123	168.463
B) 1) JSW JAIGAD	18.947	37.837	(Incl. 765kV Solapur-Raichur)	0.401	-0.523
2) WPCL	2.505	5.027	5) Goa	-4.826	-10.072
3) ADANI	27.210	55.180	6) TAPS 1&2 Injection	5.776	9.959
4) Other CPP / IPP	16.646	31.221	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.287	13.154	8) Pench (Excess)	-0.320	-0.674
6) PENCH (MS)	0.320	0.674			
7) SOLAR	1.072	2.183	# Total Cent. Sector	114.290	229.424
C) 1) TPCL Thermal	14.298	29.160	F) Other Exchanges		
2) TPCL Hydro	1.280	5.647	1) With TPCL (Excess)	-15.378	-32.529
TOTAL TPCL	15.578	34.807	G) Bilateral Power *		
3) REL Thermal	10.632	22.289	1) MSEDCL Bilateral	14.164	28.519
D) STATE			Include PX	0.391	0.391
1) Thermal (A1+C1+C3)	143.662	294.047	2) MUMBAI Bilateral	12.521	26.091
2) Hydro (A2+B6+C2)	17.648	37.498	Include PX	4.588	9.734
3) Gas (A3)	7.330	14.818	3) MUMBAI Schedule	12.521	26.091
4) Wind (B5)	6.287	13.154	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	65.308	101.295	1) MSEDCL	314.009	630.764
6) SOLAR (B7)	1.072	2.183	2) TPCL	26.340	57.078
TOTAL STATE	241.307	462.995	3) REL	15.247	32.544
			TOTAL STATE	355.596	720.386

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5031	5058	4719
MSGENCO Hydro	1925	918	126
MSGENCO Gas	298	289	321
MSGENCO Total Generation	7254	6265	5166
Central Sector Receipt	5344	5244	3928
WIND	199	78	458
CPP / IPP	2894	2902	2627
SOLAR	146	58	0
Exchange with Mumbai	-677	-530	-524
MSEDCL DEMAND MET	15209	14017	11658
Load Shedding	735	489	6
MSEDCL DEMAND	15944	14506	11664
TPCL GENERATION	819	756	485
R-INFRA GENERATION	434	445	395
TPCL+R-INFRA DEMAND	1930	1731	1404
STATE DEMAND MET	17139	15748	13062
STATE DEMAND	17874	16237	13068
Frequency (Hz)	49.98	49.99	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.47 Hz at 17:56 Hrs	49.74 Hz at 10:30 Hrs	50.03	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 02/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.47	7.06	155	122	155
Unit 6	0.00	0.00	0	0	0
Unit 7	3.95	7.50	175	150	170
Total	7.43	14.56			325
Bhusawal					
Unit 2	3.78	7.40	165	155	160
Unit 3	4.05	8.06	180	145	160
Unit 4	10.18	20.76	500	350	457
Unit 5	0.16	8.26	165	0	0
Total	18.18	44.47			777
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.88	7.87	175	152	158
Unit 6	5.01	10.28	250	175	188
Unit 7	4.83	10.07	250	161	190
Total	13.72	28.22			536
Chandrapur					
Unit 1	3.25	6.47	141	130	140
Unit 2	0.00	0.00	0	0	0
Unit 3	4.23	7.62	182	167	170
Unit 4	4.73	9.04	203	185	180
Unit 5	0.00	0.00	0	0	0
Unit 6	9.30	19.04	407	360	380
Unit 7	8.60	15.62	395	306	330
Total	30.11	57.79			1200
Paras					
Unit 3	5.70	10.80	250	221	250
Unit 4	5.64	11.00	250	221	250
Total	11.33	21.80			500
Khaparkheda					
Unit 1	4.00	7.75	190	140	165
Unit 2	3.64	6.74	165	125	158
Unit 3	4.34	7.79	191	160	164
Unit 4	4.34	8.69	201	166	173
Unit 5	9.74	20.19	443	344	373
Total	26.07	51.16			1033
Nasik					
Unit 3	3.74	7.88	175	0	180
Unit 4	4.32	8.61	195	156	190
Unit 5	3.84	8.11	186	0	190
Total	11.90	24.59			560
Uran					
All Units	7.33	14.82	325	286	310
Total	7.33	14.82			310
PENCH (MS)					
Pench (MS)	0.32	0.67	50	0	0
Total	0.32	0.67			0
Koyna					
Stage 1-2	2.32	5.02	420	40	600
Stage 4	6.96	12.44	1132	0	250
Stage 3	1.93	4.16	298	0	320
Kovna 12&4 Total	9.27	17.45			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.20	21.62			1170
Hydro					
KDPH	0.45	0.91	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.41	0.85	64	0	60
BHTGR/VEER	0.06	0.12	3	2	3
BHIRA T.R.	0.00	0.00	0	0	0
RNGR+BHTSA	0.38	0.76	16	15	17
BHANDARDRA	0.00	0.14	0	0	30
ELDARY	0.36	0.72	15	15	0
SMLHY PTN	0.87	1.58	44	33	23
GHATGHAR	2.31	4.48	250	0	0
Total	4.85	9.56			151
Wind					
MalharPeth	0.24	0.44			
Vankuswadi	0.49	0.84			
ATIT	0.04	0.08			
Kale	0.15	0.27			
Satara	2.20	4.49			
Shirala	0.14	0.28			
K Mahankal	0.02	0.05			
Supa	0.09	0.20			
Vita	0.90	2.19			
Dondaicha	1.29	2.74			
Sakri	0.13	0.28			
Nandurbar	0.08	0.17			
Khandke	0.26	0.58			
Khaparale	0.25	0.54			
Total	6.29	13.15			
CPP					
JSW JAIGAD	18.95	37.84	905	629	820
WARDHA	2.50	5.03	112	100	105
Adani	27.21	55.18	1230	600	1241
Other CPPs	16.65	31.22			238
Total	65.31	129.26			2404
SOLAR					
Total	1.07	2.18			
Total	1.07	2.18			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.85	20.12	502	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.82	5.74	128	90	120
Trombay 7B	1.63	3.29	71	58	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	1.28	5.65	173	0	447
Total	15.58	34.81			1127
REL					
1&2	10.63	22.29	525	387	500
Total	10.63	22.29			500
Cent Sect					
Share					4895
Total					4895
MS PG CL	Thermal	118.73	242.60		4931
	Thml+Gas	126.06	257.42		5241
	Hydro	16.05	31.18		1321
	Total	142.11	288.59		6562
State Total		241.31	463.00		15488

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/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	4940	129	324	5393	278	2637	0	4337	4610	-607	-728	12190	1	12191	1629	13820	49.99
2	4709	124	324	5157	309	2591	0	4059	4568	-493	-608	12017	1	12018	1497	13515	50.01
3	4673	124	324	5121	377	2630	0	3948	4241	-427	-549	11820	5	11825	1429	13254	49.98
4	4676	140	325	5141	470	2619	0	3939	4100	-418	-523	11807	5	11812	1397	13209	50.05
5	4719	126	321	5166	458	2627	0	3939	3928	-419	-524	11658	6	11664	1404	13068	49.95
6	4825	131	314	5270	413	2617	0	4354	4936	-456	-537	12724	43	12767	1456	14223	50.03
7	4963	156	315	5434	443	2639	0	4619	4925	-489	-404	13072	463	13535	1486	15021	49.95
8	5106	560	316	5982	482	2651	11	4602	4652	-445	-394	13427	889	14316	1571	15887	49.93
9	5047	953	303	6303	367	2853	42	4448	4492	-369	-371	13736	759	14495	1688	16183	49.99
10	5041	1793	306	7140	364	2913	112	4657	4878	-488	-554	14900	573	15473	1823	17296	49.97
11	5037	2128	306	7471	265	2865	114	4791	5056	-552	-649	15169	589	15758	1916	17674	49.92
12	5031	1925	298	7254	199	2894	146	4819	5344	-575	-677	15209	735	15944	1930	17874	49.98
13	5039	1571	293	6903	120	2921	156	4898	5423	-650	-689	14855	881	15736	1918	17654	50.03
14	5040	1399	294	6733	77	2938	161	4790	5184	-519	-625	14468	820	15288	1841	17129	50.09
15	5082	1216	294	6592	58	2935	139	4799	5455	-529	-555	14624	631	15255	1774	17029	50.15
16	5083	1214	286	6583	40	2916	107	4832	5353	-539	-525	14474	533	15007	1739	16746	50.09
17	5058	918	289	6265	78	2902	58	4753	5244	-534	-530	14017	489	14506	1731	16237	49.99
18	5170	392	293	5855	95	2893	25	4012	4263	-453	-699	12432	512	12944	1757	14701	50.13
19	5045	211	296	5552	128	2941	1	4429	4181	-578	-766	12037	239	12276	1899	14175	50.00
20	5191	204	297	5692	215	2960	0	4801	4574	-642	-781	12660	285	12945	2041	14986	50.09
21	4983	198	298	5479	200	2748	0	4594	4750	-568	-933	12244	203	12447	2047	14494	50.07
22	4934	134	303	5371	221	2221	0	4280	5208	-511	-1040	11981	102	12083	1980	14063	50.06
23	4667	166	305	5138	303	2198	0	4314	4793	-605	-984	11448	26	11474	1886	13360	50.08
24	4673	136	306	5115	327	2199	0	4410	4132	-657	-733	11040	26	11066	1749	12815	50.14
MUs	118.73	16.05	7.33	142.11	6.29	65.31	1.07	107.42	114.29	-12.52	-15.38	314.01	8.82	322.82	41.59	364.41	50.03

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 02/Feb/2014

Position as on 6.30 Hrs of 03/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	
Cent_Sect Tarapur 1	160	27/01/2014	19.41		Continued.	Mantatory sequence changeover of control Rod	02/02/2014
Parli Unit 4	210	28/01/2014	18.36		Continued.	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		Continued.	BLR T/L.	
Nasik Unit 3	210	02/02/2014	14.50	02/02/2014	16.45	electrical problem	
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		Continued.	spt line leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Feb/2014

Position as on 6.30 Hrs of 03/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 FORCED OUTAGE		
Dhule-Khandwa-I	02/02/2014	11.17	02/02/2014	13.13	Relay testing 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	01/02/2014	16.53	02/02/2014	9.38	Over Voltage.
Dhule-Sar'Sarovar - II	01/02/2014	22.31	02/02/2014	6.56	Over Voltage.
Kolhapur-Mapusa-II	02/02/2014	16.18		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 PG- Akola	01/02/2014	08.56		Continued.	LILO at A'ba PG
Aurangabad(M)-Aurangabad PG	01/02/2014	09.00		Continued.	LILO at A'ba PG
Kalwa - Padgha - II	02/02/2014	8.57	02/02/2014	13.20	hot spot on loc no 1064
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
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
Kalwa-Taloja-II	01/02/2014	12.43		Continued.	For normalazation of Kalwa-Apta line.
Main Bus - I @ Arrey	02/02/2014	8.50	02/02/2014	16.55	A.m. WORK
Nivali-Pawas	02/02/2014	9.30	02/02/2014	12.40	hot spot on line isolator on r phase at niwali end
Kalwa - Salshet - III	02/02/2014	9.59	02/02/2014	14.42	insprction & r.m.of line
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG - Aurangabad - II	09/01/2014	13.41		Continued.	over voltage
Dabhol - New Koyana - I	22/01/2014	00.02		Continued.	Over Voltage.
Karad-Jaigad I	01/02/2014	16.05	02/02/2014	9.22	Over Voltage.
Karad-Kolhapur-II	01/02/2014	16.06	02/02/2014	9.18	Over Voltage.
Karad-Jaigad I	02/02/2014	16.26		Continued.	over voltage
Karad - Kolhapur - II	02/02/2014	16.33		Continued.	over voltage
Lonikand-Stage4	02/02/2014	18.10		Continued.	over voltage
Warora - Tiroda - II	02/02/2014	20.58		Continued.	H/T due to withdrawal adani u-1
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

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Feb/2014

Position as on 6.30 Hrs of 03/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
					Support.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/01/2014	21.49		Continued.	over voltage
Dhabhol - Nagothane - I	02/02/2014	04.01	02/02/2014	8.24	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Kharghar-TSS-Panvel	02/02/2014	05.35	02/02/2014	9.42	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Ujani-Umarga	30/01/2014	05.20		Continued.	Distance Protection Zone- I,R Phase.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	0
Unit 7	210	160
	620	300
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	500
Unit 5	500	0
	1420	820
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	160
Unit 6	250	215
Unit 7	250	240
	1130	615
Chandrapur		
Unit 1	210	140
Unit 2	210	0
Unit 3	210	180
Unit 4	210	200
Unit 5	500	0
Unit 6	500	425
Unit 7	500	350
	2340	1295
Paras		
Unit 3	250	230
Unit 4	250	230
	500	460
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	500
	1340	1240
Nasik		
Unit 3	210	180
Unit 4	210	190
Unit 5	210	0
	630	370
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	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	3
BHIRA T.R.	80	0
RNGR+BHTSA	20	17
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	24
GHATGHAR	250	0
	611	127
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	785
WARDHA	405	179
Adani	1980	623
Other CPPs	300	245
	3885	1832
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	5205
	3455	5205