



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

State Load Dispatch Center, Airoli

Daily system Report

for

04/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 04/Feb/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.625	483.415	1) Gujrat	8.938	24.591
2) Hydro	25.457	85.000	2) Madhya Pradesh	17.958	70.330
3) Gas	7.505	29.737	3) Chattisgarh	8.090	33.410
Total MSGENCO	156.587	598.152	4) Maharashtra Net	91.009	351.732
B) 1) JSW JAIGAD	19.808	77.556	(Incl. 765kV Solapur-Raichur)	0.153	0.326
2) WPCL	2.304	9.763	5) Goa	-5.773	-21.513
3) ADANI	15.310	84.980	6) TAPS 1&2 Injection	6.191	21.925
4) Other CPP / IPP	20.545	69.956	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.922	17.539	8) Pench (Excess)	-0.332	-1.399
6) PENCH (MS)	0.332	1.399			
7) SOLAR	1.140	4.407	# Total Cent. Sector	126.081	479.076
C) 1) TPCL Thermal	16.069	60.655	F) Other Exchanges		
2) TPCL Hydro	5.152	15.889	1) With TPCL (Excess)	-17.543	-67.563
TOTAL TPCL	21.221	76.544	G) Bilateral Power *		
3) REL Thermal	12.578	47.445	1) MSEDCL Bilateral	13.938	58.971
D) STATE			Include PX	0.000	0.789
1) Thermal (A1+C1+C3)	152.272	591.515	2) MUMBAI Bilateral	16.858	58.706
2) Hydro (A2+B6+C2)	30.941	102.288	Include PX	8.102	25.772
3) Gas (A3)	7.505	29.737	3) MUMBAI Schedule	16.858	58.706
4) Wind (B5)	1.922	17.539	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	57.967	172.585	1) MSEDCL	326.486	1275.265
6) SOLAR (B7)	1.140	4.407	2) TPCL	32.881	123.359
TOTAL STATE	251.747	918.071	3) REL	18.459	68.185
			TOTAL STATE	377.826	1466.809

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5175	5253	4973
MSGENCO Hydro	2414	1818	147
MSGENCO Gas	301	297	322
MSGENCO Total Generation	7890	7368	5442
Central Sector Receipt	5735	5832	4361
WIND	65	46	123
CPP / IPP	2488	2352	2368
SOLAR	133	59	0
Exchange with Mumbai	-930	-946	-186
MSEDCL DEMAND MET	15403	14734	12108
Load Shedding	788	611	179
MSEDCL DEMAND	16191	15345	12287
TPCL GENERATION	1157	1105	682
R-INFRA GENERATION	526	525	525
TPCL+R-INFRA DEMAND	2613	2576	1393
STATE DEMAND MET	18016	17310	13501
STATE DEMAND	18804	17921	13680
Frequency (Hz)	49.93	49.95	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 04.57 Hrs	49.6 Hz at 18.38 Hrs	49.97	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 04/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.30	13.85	149	125	135
Unit 6	0.00	0.00	0	0	0
Unit 7	3.61	15.08	165	140	150
Total	6.90	28.93			285
Bhusawal					
Unit 2	3.52	14.66	160	115	160
Unit 3	3.85	15.68	170	145	160
Unit 4	9.33	39.55	425	355	400
Unit 5	6.21	14.65	331	150	215
Total	22.92	84.54			935
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.83	3.96	183	52	160
Unit 5	3.03	14.80	140	112	130
Unit 6	5.41	21.20	243	196	245
Unit 7	5.18	20.64	235	187	230
Total	17.46	60.60			765
Chandrapur					
Unit 1	3.29	13.05	142	132	140
Unit 2	0.00	0.00	0	0	0
Unit 3	4.29	16.20	186	172	190
Unit 4	4.83	18.66	207	193	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.89	38.95	430	390	425
Unit 7	9.28	33.34	415	365	380
Total	31.58	120.20			1345
Paras					
Unit 3	4.69	20.88	223	176	200
Unit 4	4.92	21.47	223	183	200
Total	9.61	42.34			400
Khaparkheda					
Unit 1	3.74	15.82	170	140	180
Unit 2	2.85	13.01	170	90	180
Unit 3	4.28	16.61	192	154	190
Unit 4	4.67	18.01	202	172	190
Unit 5	10.93	42.15	485	430	450
Total	26.47	105.60			1190
Nasik					
Unit 3	2.48	13.92	170	0	0
Unit 4	4.34	17.31	195	167	190
Unit 5	1.87	9.97	161	0	190
Total	8.69	41.20			380
Uran					
All Units	7.50	29.74	324	291	320
Total	7.50	29.74			320
PENCH (MS)					
Pench (MS)	0.33	1.40	52	0	
Total	0.33	1.40			
Koyna					
Stage 1-2	6.65	19.84	565	40	600
Stage 4	10.89	35.05	1120	0	250
Stage 3	3.96	12.11	320	0	320
Kovna 12&4 Total	17.54	54.89			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	21.50	67.00			1170
Hydro					
KDPH	0.88	2.34	37	36	36
VTRNA	0.00	0.00	0	0	0
TILLARI	0.39	1.66	63	0	64
BHTGR/VEER	0.06	0.24	3	2	10
BHIRA T.R.	0.00	0.00	0	0	0
RNGR+BHTSA	0.35	1.48	15	14	10
BHANDARDRA	0.00	0.14	0	0	10
ELDARY	0.36	1.44	15	14	
SMLHY PTN	1.00	3.57	49	38	14
GHATGHAR	0.92	7.13	250	0	
Total	3.95	18.00			144
Wind					
MalharPeth	0.07	0.68			
Vankuswadi	0.18	1.21			
ATIT	0.01	0.09			
Kale	0.05	0.37			
Satara	0.80	6.18			
Shirala	0.05	0.42			
K Mahankal	0.01	0.07			
Supa	0.02	0.26			
Vita	0.59	3.21			
Dondaicha	0.03	3.18			
Sakri	0.01	0.32			
Nandurbar	0.01	0.21			
Khandke	0.06	0.70			
Khaparale	0.04	0.64			
Total	1.92	17.54			
CPP					
JSW JAIGAD	19.81	77.56	897	758	850
WARDHA	2.30	9.76	98	95	120
Adani	15.31	84.98	1050	580	623
Other CPPs	20.54	69.96			245
Total	57.97	242.26			1838
SOLAR					
Total	1.14	4.41			
Total	1.14	4.41			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.69	42.77	503	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.92	11.50	129	114	120
Trombay 7B	1.46	6.38	71	0	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.15	15.89	471	0	447
Total	21.22	76.54			1127
REL					
1&2	12.58	47.44	526	515	500
Total	12.58	47.44			500
Cent Sect					
Share					5350
Total					5350
MS PG CL	Thermal	123.62	483.42		5300
	Thml+Gas	131.13	513.15		5620
	Hydro	25.46	85.00		1314
	Total	156.59	598.15		6934
State Total		251.75	918.07		15749

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	4818	297	320	5435	54	2358	0	4691	4798	-551	-442	12203	58	12261	1644	13905	49.98
2	4831	157	321	5309	76	2370	0	4444	4612	-470	-304	12063	158	12221	1510	13731	50.09
3	4871	147	321	5339	97	2383	0	4485	4670	-446	-224	12265	171	12436	1429	13865	50.02
4	4973	147	322	5442	123	2368	0	4554	4361	-434	-186	12108	179	12287	1393	13680	50.00
5	5057	157	324	5538	143	2362	0	4593	4418	-434	-187	12274	186	12460	1393	13853	49.96
6	5091	177	324	5592	176	2378	0	4722	5160	-471	-311	12995	349	13344	1518	14862	50.00
7	5115	677	324	6116	153	2389	1	4817	4960	-505	-507	13112	858	13970	1726	15696	49.83
8	5129	1778	324	7231	115	2376	8	4920	5051	-582	-603	14211	1008	15219	1895	17114	49.93
9	5162	2126	317	7605	74	2497	63	4730	4844	-502	-559	14576	950	15526	2139	17665	49.93
10	5170	2435	311	7916	72	2510	104	4994	5248	-641	-672	15230	820	16050	2367	18417	49.91
11	5175	2414	301	7890	65	2488	133	5368	5735	-984	-930	15403	788	16191	2613	18804	49.93
12	5164	2422	303	7889	44	2523	158	5423	5657	-1039	-997	15287	844	16131	2654	18785	49.99
13	5241	2054	295	7590	41	2461	191	5565	6042	-1012	-1016	15309	963	16272	2658	18930	50.04
14	5183	1608	291	7082	43	2515	146	5515	6356	-906	-996	15146	846	15992	2531	18523	50.00
15	5155	1999	291	7445	40	2356	143	5314	6138	-912	-905	15217	613	15830	2571	18401	49.95
16	5194	2064	293	7551	55	2348	116	5359	6129	-957	-963	15236	598	15834	2588	18422	49.89
17	5253	1818	297	7368	46	2352	59	5301	5832	-952	-946	14734	611	15345	2576	17921	49.95
18	5272	613	311	6196	49	2372	18	5123	5313	-766	-960	13028	505	13533	2539	16072	50.03
19	5278	502	313	6093	121	2497	0	5118	5416	-763	-898	13276	257	13533	2528	16061	49.91
20	5303	605	320	6228	104	2445	0	5179	5534	-875	-999	13362	347	13709	2545	16254	49.97
21	5351	595	320	6266	67	2277	0	4879	5263	-724	-1110	12763	221	12984	2383	15367	49.97
22	5356	316	322	5994	68	2238	0	4823	4819	-612	-1034	12085	102	12187	2229	14416	50.06
23	5234	202	324	5760	48	2413	0	4698	5049	-618	-959	12311	36	12347	2051	14398	50.00
24	5249	147	316	5712	48	2691	0	4705	4676	-700	-835	12292	38	12330	1862	14192	50.01
MUs	123.62	25.46	7.50	156.59	1.92	57.97	1.14	119.32	126.08	-16.86	-17.54	326.49	11.51	337.99	51.34	389.33	49.97

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 04/Feb/2014

Position as on 6.30 Hrs of 05/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.	
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	
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	04/02/2014	16.44	super heater 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	04/02/2014	03.35	spt line leakage	
Nasik Unit 3	210	03/02/2014	21.05	04/02/2014	08.20	Strn. T/F Overload	
CPP Adani U-2	660	04/02/2014	17.06	04/02/2014	18.05	Electro Hydraulic Line Leakage.	
Tata Trombay 7B	60	04/02/2014	19.00	04/02/2014	21.22	Boiler Protection	
CPP Adani U-2	660	04/02/2014	19.19	04/02/2014	21.59	AVR Problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Feb/2014

Position as on 6.30 Hrs of 05/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 : 220KV			Outage Type FORCED OUTAGE		
Kalmeshwar - Pandurna	04/02/2014	10.46	04/02/2014	12.19	Oil Leakage.
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 - I	03/02/2014	16.18	04/02/2014	09.05	Over Voltage.
Dhule-Sar'Sarovar - II	03/02/2014	21.35	04/02/2014	06.40	Over Voltage.
Kolhapur-Mapusa-II	04/02/2014	16.38		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	04/02/2014	22.55		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		
Karad - Kolhapur - I	03/02/2014	11.25	04/02/2014	07.00	Replacement Of Insulator Strings At LOC No.253-259. RFC - 18:38hrs.
400/220KV 315MVA ICT-II @ Kharghar	04/02/2014	09.22	04/02/2014	18.54	Hot Spot
Deepnagar-Aurangabad-II	04/02/2014	14.06	04/02/2014	16.48	Taking Oil Sample from Line CT
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.
Oni - Kharepatan	04/02/2014	09.20	04/02/2014	16.42	Insulator Cleaning
Mudshingi - Talandage - I	04/02/2014	10.20	04/02/2014	13.51	Q.M.Work
Wadkhal - NDIL - I	04/02/2014	11.43	04/02/2014	12.35	Hot Spot
Wadkhal - Ndil - 2	04/02/2014	12.42	04/02/2014	13.50	Hot Spot
Murud - Girawli.	04/02/2014	12.58	04/02/2014	19.15	For Replacement Of N&B On Line.
220/110KV 100 MVA ICT-II @ Miraj.	04/02/2014	13.30	04/02/2014	18.05	Q.M Work.
Wadkhal-NDIL-3	04/02/2014	13.55	04/02/2014	14.50	Hot Washing.
Akola - Badnera - II	04/02/2014	17.18	04/02/2014	21.14	Replacement of String
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG - Aurangabad - II	09/01/2014	13.41	04/02/2014	05.58	over voltage
Warora - Tiroda - II	02/02/2014	20.58	04/02/2014	18.51	H/T due to withdrawal adani u-1
Karad-Jaigad I	03/02/2014	16.31	04/02/2014	08.44	Over Voltage
Bhusawal- Aurangabad	03/02/2014	23.00	04/02/2014	08.30	Over Voltage.
Bhusawal- Aurangabad	04/02/2014	18.05		Continued.	Over Voltage.
Lonikand-Stage4	04/02/2014	21.41		Continued.	Over Voltage.
Karad-Jaigad I	04/02/2014	21.52		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	06/01/2014	19.47		Continued.	Paras-Chikhali line O/L

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Feb/2014

Position as on 6.30 Hrs of 05/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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	04/02/2014	07.11	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Trombay - Sonkar	04/02/2014	05.40	04/02/2014	08.49	Y Phase Ground Fault.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 05/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	140
Unit 6	210	0
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	160
Unit 3	210	160
Unit 4	500	430
Unit 5	500	301
	1420	1051
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	170
Unit 6	250	181
Unit 7	250	180
	1130	676
Chandrapur		
Unit 1	210	136
Unit 2	210	0
Unit 3	210	166
Unit 4	210	161
Unit 5	500	0
Unit 6	500	370
Unit 7	500	355
	2340	1188
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	190
	630	560
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	801
WARDHA	405	100
Adani	1980	1234
Other CPPs	300	245
	3885	2380
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	5339
	3455	5339