



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

State Load Dispatch Center, Airoli

Daily system Report

for

02/Jan/2014

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.504	243.649	1) Gujrat	8.406	20.202
2) Hydro	14.802	24.037	2) Madhya Pradesh	17.238	32.510
3) Gas	6.979	13.719	3) Chattisgarh	8.370	16.070
Total MSGENCO	144.285	281.405	4) Maharashtra	71.848	140.375
B) 1) JSW JAIGAD	19.495	38.712	5) Goa	-5.845	-11.647
2) WPCL	2.786	5.579	6) TAPS 1&2 Injection	7.747	15.473
3) ADANI	34.480	73.660	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	13.476	26.449	8) Pench (Excess)	-0.082	-0.082
5) Wind Generation	5.552	10.492	# Total Cent. Sector	107.682	212.901
6) PENCH (MS)	0.082	0.082	F) Other Exchanges		
7) SOLAR	0.797	1.492	1) With TPCL (Excess)	-15.393	-29.074
C) 1) TPCL Thermal	17.464	34.247	G) Bilateral Power *		
2) TPCL Hydro	4.301	7.330	1) MSEDCL Bilateral	10.037	20.153
TOTAL TPCL	21.765	41.577	Include PX	-3.467	-6.349
3) REL Thermal	11.280	22.418	2) MUMBAI Bilateral	11.980	22.665
D) STATE			Include PX	3.673	6.111
1) Thermal (A1+C1+C3)	151.248	300.314	3) MUMBAI Schedule	11.980	22.665
2) Hydro (A2+B6+C2)	19.185	31.449	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.979	13.719	1) MSEDCL	313.242	621.698
4) Wind (B5)	5.552	10.492	2) TPCL	31.725	61.254
5) CPP/IPP (B1+B2+B3+B4)	70.237	105.220	3) REL	16.712	31.811
6) SOLAR (B7)	0.797	1.492	TOTAL STATE	361.679	714.763
TOTAL STATE	253.998	462.686			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5324	5314	4855
MSGENCO Hydro	1569	1580	108
MSGENCO Gas	282	283	302
MSGENCO Total Generation	7175	7177	5265
Central Sector Receipt	4800	4543	3428
WIND	184	124	337
CPP / IPP	3300	2795	2618
SOLAR	116	26	0
Exchange with Mumbai	-771	-690	-400
MSEDCL DEMAND MET	14847	13975	11248
Load Shedding	907	621	17
MSEDCL DEMAND	15754	14596	11265
TPCL GENERATION	1287	1235	592
R-INFRA GENERATION	524	525	392
TPCL+R-INFRA DEMAND	2582	2450	1384
STATE DEMAND MET	17429	16425	12632
STATE DEMAND	18336	17046	12649
Frequency (Hz)	49.97	49.93	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.49 Hz at 05.28 Hrs	49.63 Hz at 09.03 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/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.72	7.30	175	130	135
Unit 7	3.74	4.18	190	120	135
Total	7.46	11.48			270
Bhusawal					
Unit 2	3.44	6.74	155	130	125
Unit 3	3.60	7.06	155	130	134
Unit 4	8.66	17.06	400	330	381
Unit 5	5.66	12.12	280	185	0
Total	21.36	43.00			640
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.62	7.10	163	140	151
Unit 5	3.82	7.40	172	146	151
Unit 6	4.39	8.92	209	147	180
Unit 7	4.34	8.74	200	161	180
Total	16.17	32.16			662
Chandrapur					
Unit 1	3.14	6.35	137	126	124
Unit 2	3.12	6.28	143	113	115
Unit 3	3.91	7.87	179	135	134
Unit 4	4.54	8.99	200	162	143
Unit 5	0.00	0.00	0	0	0
Unit 6	9.69	19.37	445	348	331
Unit 7	9.41	18.96	437	340	331
Total	33.82	67.82			1178
Paras					
Unit 3	4.25	8.79	242	0	210
Unit 4	5.21	10.02	251	190	210
Total	9.46	18.81			420
Khaparkheda					
Unit 1	3.24	6.44	165	90	162
Unit 2	3.14	6.35	155	110	144
Unit 3	2.63	5.96	156	0	171
Unit 4	3.29	7.06	160	110	171
Unit 5	9.45	19.66	430	347	473
Total	21.75	45.47			1121
Nasik					
Unit 3	4.05	8.29	185	125	190
Unit 4	4.19	8.28	189	151	190
Unit 5	4.25	8.34	190	146	190
Total	12.48	24.92			570
Uran					
All Units	6.98	13.72	302	281	300
Total	6.98	13.72			300
PENCH (MS)					
Pench (MS)	0.08	0.08	43	0	
Total	0.08	0.08			
Koyna					
Stage 1-2	2.84	4.94	345	40	600
Stage 4	6.15	7.98	806	0	250
Stage 3	1.57	2.57	160	0	320
Kovna 12&4 Total	8.98	12.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	10.56	15.48			1170
Hydro					
KDPH	0.31	0.31	19	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.08	0.15	4	3	3
BHIRA T.R.	0.10	0.28	41	0	40
RNGR+BHTSA	0.36	0.74	16	12	16
BHANDARDRA	0.00	0.20	0	0	20
ELDARY	0.00	0.27	0	0	10
SMLHY PTN	1.08	2.17	53	42	10
GHATGHAR	2.31	4.43	240	0	0
Total	4.25	8.55			99
Wind					
MalharPeth	0.24	0.69			
Vankuswadi	0.43	0.86			
ATIT	0.03	0.97			
Kale	0.21	0.36			
Satara	1.41	1.56			
Shirala	0.20	0.33			
K Mahankal	0.02	0.73			
Supa	0.12	0.25			
Vita	0.32	0.32			
Dondaicha	1.62	2.52			
Sakri	0.23	0.33			
Nandurbar	0.10	0.17			
Khandke	0.29	0.79			
Khaparale	0.34	0.61			
Total	5.55	10.49			
CPP					
JSW JAIGAD	19.50	38.71	893	691	811
WARDHA	2.79	5.58	118	114	115
Adani	34.48	73.66	1820	1210	1851
Other CPPs	13.48	26.45			245
Total	70.24	144.40			3022
SOLAR					
Total	0.80	1.49			
Total	0.80	1.49			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.94	19.41	501	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	2.39	51	49	120
Trombay 7B	0.98	1.96	42	40	60
Trombay 8	5.34	10.49	251	184	250
TATA Hydro	4.30	7.33	447	0	447
Total	21.76	41.58			1377
REL					
1&2	11.28	22.42	527	391	500
Total	11.28	22.42			500
Cent Sect					
Share					5011
Total					5011
MS PG CL	Thermal	122.50	243.65		4861
	Thml+Gas	129.48	257.37		5161
	Hydro	14.80	24.04		1269
	Total	144.28	281.40		6430
State Total		254.00	462.69		16340

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Jan/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	4902	108	300	5310	328	2653	0	3994	3557	-472	-525	11323	10	11333	1507	12840	50.11
2	4855	108	302	5265	337	2618	0	3547	3428	-409	-400	11248	17	11265	1384	12649	50.05
3	4925	103	302	5330	309	2631	0	3558	3586	-345	-340	11516	17	11533	1324	12857	50.22
4	4872	103	302	5277	255	2610	0	3583	3642	-346	-315	11469	17	11486	1297	12783	50.18
5	4891	108	302	5301	247	2598	0	3697	3779	-350	-328	11597	17	11614	1309	12923	50.13
6	4900	143	302	5345	287	2645	0	4056	4448	-326	-438	12287	69	12356	1419	13775	50.12
7	5116	287	302	5705	311	2941	0	4472	4654	-367	-534	13077	313	13390	1580	14970	49.95
8	5203	361	296	5860	329	3081	4	4439	4498	-334	-352	13420	891	14311	1763	16074	49.90
9	5219	964	294	6477	288	3126	55	4391	4687	-391	-464	14169	958	15127	2037	17164	49.88
10	5301	1452	285	7038	234	3420	55	4592	4511	-528	-590	14668	759	15427	2345	17772	49.86
11	5373	1565	292	7230	208	3447	108	4741	4641	-682	-740	14927	798	15725	2550	18275	49.90
12	5324	1569	282	7175	184	3300	116	4666	4800	-735	-771	14847	907	15754	2582	18336	49.97
13	5300	1206	283	6789	152	3383	122	4711	4869	-695	-747	14574	1083	15657	2562	18219	50.01
14	5254	1154	283	6691	119	3412	133	4669	5020	-565	-743	14632	953	15585	2426	18011	50.08
15	5329	1172	287	6788	108	3238	101	4744	5140	-560	-703	14672	743	15415	2450	17865	50.05
16	5325	1486	286	7097	123	2932	74	4695	5158	-553	-665	14719	625	15344	2446	17790	50.00
17	5314	1580	283	7177	124	2795	26	4666	4543	-520	-690	13975	621	14596	2450	17046	49.93
18	5343	448	283	6074	154	2820	3	4742	4460	-476	-946	12565	607	13172	2434	15606	49.94
19	5342	167	287	5796	201	2780	0	4952	5036	-563	-959	12854	172	13026	2515	15541	50.01
20	5216	167	283	5666	210	2818	0	4896	5150	-582	-947	12897	172	13069	2489	15558	49.97
21	4935	186	283	5404	228	2805	0	4410	5105	-544	-880	12662	101	12763	2179	14942	50.05
22	4915	131	285	5331	251	2725	0	4089	4525	-496	-871	11961	52	12013	1955	13968	50.10
23	4717	115	281	5113	281	2721	0	4082	4201	-622	-798	11518	15	11533	1799	13332	50.13
24	4633	120	294	5047	284	2738	0	4080	4243	-517	-647	11665	18	11683	1636	13319	50.21
MUs	122.50	14.80	6.98	144.29	5.55	70.24	0.80	104.47	107.68	-11.98	-15.39	313.24	9.94	323.18	48.44	371.62	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/Jan/2014

Position as on 6.30 Hrs of 03/Jan/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.	
Uran Unit 5	108	25/11/2013	21.33		Continued.	Gas Shortage.	
CPP WPCL U-2	135	13/12/2013	13.17		Continued.	ID Fan problem	
Koradi Unit 5	200	19/12/2013	01.29		Continued.	I D Fan Problem.	
Uran Unit 7	108	19/12/2013	12.21		Continued.	Gas Shortage.	
CPP WPCL U-4	135	22/12/2013	00:07		Continued.	Generation Water Cooler Leakage.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
CPP WPCL U-1	135	31/12/2013	01.21		Continued.	I D Fan Problem.	
Koyna Unit 10	80	02/01/2014	08.00	02/01/2014	19.30	Butterfly Valve Leakage	
Koyna Stage 3	320	02/01/2014	08.25	02/01/2014	17.35	P.M.work	
CPP Adani U1	660	02/01/2014	15.22		Continued.	Heavy Leakage in Turbine Drain Line	
Khaparkheda Unit 3	210	02/01/2014	19.53		Continued.	Coal Mill Empty	
Paras Unit 3	250	02/01/2014	21.51		Continued.	Boiler Tube Leakage	

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

Position as on 6.30 Hrs of 03/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Koradi-Satpur	02/01/2014	10.34	02/01/2014	19.35	A.M.Work
Chandrapur-Bhadravati II	02/01/2014	10.36	02/01/2014	15.46	A.M.Work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Mudshungi - Chikodi	02/01/2014	11.00	02/01/2014	23.12	Insulator replacement of Cut point
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Pench-Mansar	02/01/2014	13.00	02/01/2014	17.35	Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	07/12/2013	10.12		Continued.	Over Voltage,(Ready for charging)
Kolhapur - Mapusa - I	31/12/2013	16.35		Continued.	Over Voltage.
Kolhapur-Solapur (PG) II	01/01/2014	17.19	02/01/2014	07.20	Over Voltage.
Dhule-Sar'Sarovar - II	02/01/2014	22.02		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	02/01/2014	22.03		Continued.	To Control O/V.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	05/12/2013	19.30		Continued.	To control wardha-Yeotmal O/L
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan - Pench - I	01/01/2014	17.29		Continued.	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Replacement of Old 200 MVA ICT Under LES Upto 04/01/2014.
Main Bus- I @ Jejuri	02/01/2014	09.46	02/01/2014	15.50	CVT Testing
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
Khaperkheda - Wardha.	30/12/2013	09.53		Continued.	Connection of Jumpering Work Towards the LILO Arrangement for Butibori III S/S ON 220 KV Khaperkheda Wardha Line.
Bale - Tuljapur	01/01/2014	10.15		Continued.	Replacement of CT Under JICA - 2.
Chinchwad-Urse	02/01/2014	08.32	02/01/2014	19.06	Replacement of Isolator and LA
Urse-Sahara	02/01/2014	19.47		Continued.	Controlling Talegaon-Ambi line Load
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz prot.operated
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	Over Voltage.
Karad - Kolhapur - II	29/12/2013	16.06	02/01/2014	07.38	Over Voltage
Bhusawal - Deepnagar - I	30/12/2013	13.14		Continued.	Over Voltage.
Bhusawal- Aurangabad	31/12/2013	17.15	02/01/2014	09.45	Over Voltage
New Koyna - Dabhol - II	01/01/2014	02.54		Continued.	Over Voltage.
Karad-Jaigad I	01/01/2014	16.04	02/01/2014	07.45	Over Voltage.
Lonikand- Koyna Stage IV	01/01/2014	21.18	02/01/2014	08.34	Over Voltage
Karad-Jaigad I	02/01/2014	16.22		Continued.	Over Voltage

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

Position as on 6.30 Hrs of 03/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	02/01/2014	16.28		Continued.	Over Voltage
Bhusawal- Aurangabad	02/01/2014	20.34		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	17/11/2013	18.00		Continued.	To control Paras-Chikhali line loading
Chikhali - Jalna - II	17/11/2013	18.00		Continued.	To control Paras-Chikhali line loading
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Babaleshwar - Bhusawal	02/01/2014	14.43	02/01/2014	20.25	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Butibori - Wardha	02/01/2014	20.35	02/01/2014	21.57	Bus Bar Prot.Operated
Butibori - Khaperkheda	02/01/2014	20.35	02/01/2014	22.08	Bus Bar Prot.Operated
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal-Sawda	01/01/2014	17.25	02/01/2014	10.47	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	160
Unit 7	210	170
	620	330
Bhusawal		
Unit 2	210	140
Unit 3	210	150
Unit 4	500	410
Unit 5	500	
	1420	700
Parli		
Unit 3	210	0
Unit 4	210	160
Unit 5	210	140
Unit 6	250	200
Unit 7	250	200
	1130	700
Chandrapur		
Unit 1	210	133
Unit 2	210	124
Unit 3	210	170
Unit 4	210	187
Unit 5	500	0
Unit 6	500	395
Unit 7	500	391
	2340	1400
Paras		
Unit 3	250	0
Unit 4	250	210
	500	210
Khaparkheda		
Unit 1	210	162
Unit 2	210	144
Unit 3	210	0
Unit 4	210	173
Unit 5	500	470
	1340	949
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	270
	852	270
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	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	10
ELDARY	23	0
SMLHY PTN	12	3
GHATGHAR	250	0
	611	88
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	811
WARDHA	405	115
Adani	1980	1234
Other CPPs	300	245
	3885	2405
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	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4897
	3455	4897