



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Jan/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.145	121.145	1) Gujrat	11.796	11.796
2) Hydro	9.235	9.235	2) Madhya Pradesh	15.272	15.272
3) Gas	6.740	6.740	3) Chattisgarh	7.700	7.700
Total MSGENCO	137.120	137.120	4) Maharashtra	68.527	68.527
B) 1) JSW JAIGAD	19.217	19.217	5) Goa	-5.802	-5.802
2) WPCL	2.793	2.793	6) TAPS 1&2 Injection	7.726	7.726
3) ADANI	39.180	39.180	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	12.973	12.973	8) Pench (Excess)	0.000	0.000
5) Wind Generation	4.940	4.940	# Total Cent. Sector	105.219	105.219
6) PENCH (MS)	0.000	0.000	F) Other Exchanges		
7) SOLAR	0.695	0.695	1) With TPCL (Excess)	-13.681	-13.681
C) 1) TPCL Thermal	16.783	16.783	G) Bilateral Power *		
2) TPCL Hydro	3.029	3.029	1) MSEDCL Bilateral	10.116	10.116
TOTAL TPCL	19.812	19.812	Include PX	-2.882	-2.882
3) REL Thermal	11.138	11.138	2) MUMBAI Bilateral	10.685	10.685
			Include PX	2.437	2.437
D) STATE			3) MUMBAI Schedule	10.685	10.685
1) Thermal (A1+C1+C3)	149.066	149.066	H) ENERGY CATERED (MUs)		
2) Hydro (A2+B6+C2)	12.264	12.264	1) MSEDCL	308.456	308.456
3) Gas (A3)	6.740	6.740	2) TPCL	29.529	29.529
4) Wind (B5)	4.940	4.940	3) REL	15.099	15.099
5) CPP/IPP (B1+B2+B3+B4)	74.163	74.163	TOTAL STATE	353.084	353.084
6) SOLAR (B7)	0.695	0.695			
TOTAL STATE	247.868	247.868			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5170	5098	4846
MSGENCO Hydro	1155	414	157
MSGENCO Gas	286	282	254
MSGENCO Total Generation	6611	5794	5257
Central Sector Receipt	4669	4686	3629
WIND	167	101	234
CPP / IPP	3423	3369	2644
SOLAR	110	26	0
Exchange with Mumbai	-551	-554	-317
MSEDCL DEMAND MET	14429	13422	11447
Load Shedding	882	494	17
MSEDCL DEMAND	15311	13916	11464
TPCL GENERATION	1216	1017	592
R-INFRA GENERATION	526	522	395
TPCL+R-INFRA DEMAND	2293	2093	1304
STATE DEMAND MET	16722	15515	12751
STATE DEMAND	17604	16009	12768
Frequency (Hz)	50.02	50.07	50.17

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.53 Hz at 23.56 Hrs	49.74 Hz at 09.05 Hrs	50.08	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 01/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	3.59	3.59	170	100	140
Unit 7	0.44	0.44	150	0	0
Total	4.02	4.02			140
Bhusawal					
Unit 2	3.30	3.30	145	135	140
Unit 3	3.47	3.47	155	135	140
Unit 4	8.40	8.40	370	325	410
Unit 5	6.46	6.46	300	235	
Total	21.63	21.63			690
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.48	3.48	152	137	145
Unit 5	3.58	3.58	160	137	145
Unit 6	4.52	4.52	206	168	165
Unit 7	4.40	4.40	202	158	160
Total	15.99	15.99			615
Chandrapur					
Unit 1	3.22	3.22	140	129	150
Unit 2	3.16	3.16	144	122	140
Unit 3	3.96	3.96	190	131	200
Unit 4	4.44	4.44	208	157	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.68	9.68	435	350	425
Unit 7	9.55	9.55	448	337	375
Total	34.00	34.00			1500
Paras					
Unit 3	4.54	4.54	233	169	220
Unit 4	4.81	4.81	229	183	220
Total	9.35	9.35			440
Khaparkheda					
Unit 1	3.20	3.20	165	0	180
Unit 2	3.20	3.20	155	125	180
Unit 3	3.33	3.33	170	0	190
Unit 4	3.77	3.77	174	143	190
Unit 5	10.21	10.21	480	355	500
Total	23.72	23.72			1240
Nasik					
Unit 3	4.24	4.24	195	160	190
Unit 4	4.10	4.10	179	160	190
Unit 5	4.09	4.09	176	163	190
Total	12.43	12.43			570
Uran					
All Units	6.74	6.74	305	222	250
Total	6.74	6.74			250
PENCH (MS)					
Pench (MS)	0.00	0.00	0	0	
Total	0.00	0.00			
Koyna					
Stage 1-2	2.10	2.10	330	40	600
Stage 4	1.83	1.83	550	0	250
Stage 3	0.99	0.99	160	0	320
Kovna 12&4 Total	3.94	3.94			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.93	4.93			1170
Hydro					
KDPH	0.00	0.00	0	0	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.07	0.07	3	3	2
BHIRA T.R.	0.18	0.18	41	0	40
RNGR+BHTSA	0.38	0.38	16	16	16
BHANDARDRA	0.20	0.20	30	0	20
ELDARY	0.27	0.27	15	0	0
SMLHY PTN	1.09	1.09	53	43	21
GHATGHAR	2.12	2.12	250	0	0
Total	4.30	4.30			117
Wind					
MalharPeth	0.46	0.46			
Vankuswadi	0.43	0.43			
ATIT	0.94	0.94			
Kale	0.15	0.15			
Satara	0.15	0.15			
Shirala	0.13	0.13			
K Mahankal	0.71	0.71			
Supa	0.13	0.13			
Vita					
Dondaicha	0.90	0.90			
Sakri	0.10	0.10			
Nandurbar	0.07	0.07			
Khandke	0.50	0.50			
Khaparale	0.27	0.27			
Total	4.94	4.94			
CPP					
JSW JAIGAD	19.22	19.22	890	691	850
WARDHA	2.79	2.79	118	114	120
Adani	39.18	39.18	1830	1280	1869
Other CPPs	12.97	12.97			227
Total	74.16	74.16			3066
SOLAR					
Total	0.70	0.70			
Total	0.70	0.70			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.46	9.46	501	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	1.19	50	49	120
Trombay 7B	0.98	0.98	42	40	60
Trombay 8	5.15	5.15	254	185	250
TATA Hydro	3.03	3.03	380	0	447
Total	19.81	19.81			1377
REL					
1&2	11.14	11.14	527	387	500
Total	11.14	11.14			500
Cent Sect					
Share					4767
Total					4767
MS PG CL	Thermal	121.14	121.14		5195
	Thml+Gas	127.88	127.88		5445
	Hydro	9.24	9.24		1287
	Total	137.12	137.12		6732
State Total		247.87	247.87		16442

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	4929	147	252	5328	197	2606	0	4216	4120	-496	-575	11676	11	11687	1558	13245	50.16
2	4885	157	252	5294	191	2581	0	4083	3912	-439	-450	11528	17	11545	1436	12981	50.19
3	4901	161	254	5316	202	2607	0	3812	3656	-370	-375	11406	17	11423	1360	12783	50.18
4	4846	157	254	5257	234	2644	0	3812	3629	-375	-317	11447	17	11464	1304	12768	50.17
5	4821	156	254	5231	231	2828	0	3888	3613	-393	-308	11595	17	11612	1295	12907	50.06
6	4896	144	254	5294	254	2874	0	4148	4277	-371	-381	12318	78	12396	1368	13764	50.00
7	5168	176	301	5645	290	3200	0	4525	4469	-389	-413	13191	308	13499	1447	14946	49.96
8	5205	141	303	5649	293	3308	7	4459	4414	-306	-228	13443	746	14189	1568	15757	49.98
9	5259	327	305	5891	196	3330	28	4394	4355	-310	-298	13502	916	14418	1764	16182	49.93
10	5239	1133	303	6675	174	3408	61	4587	4518	-414	-388	14448	754	15202	2009	17211	49.95
11	5243	1131	289	6663	134	3370	110	4726	4871	-510	-546	14602	783	15385	2210	17595	50.01
12	5170	1155	286	6611	167	3423	110	4829	4669	-537	-551	14429	882	15311	2293	17604	50.02
13	5149	790	284	6223	136	3374	127	4874	4823	-513	-515	14168	1030	15198	2267	17465	50.13
14	5142	546	281	5969	94	3381	76	4831	4833	-458	-452	13901	886	14787	2154	16941	50.18
15	5064	566	286	5916	81	3360	87	4765	4862	-417	-475	13831	682	14513	2137	16650	50.13
16	5030	876	222	6128	110	3386	57	4654	4701	-414	-484	13898	622	14520	2096	16616	50.05
17	5098	414	282	5794	101	3369	26	4652	4686	-406	-554	13422	494	13916	2093	16009	50.07
18	5061	122	289	5472	138	3351	6	4747	4223	-396	-782	12408	210	12618	2116	14734	50.14
19	5010	145	293	5448	205	3363	0	4990	4902	-526	-985	12933	130	13063	2229	15292	50.02
20	5084	158	293	5535	274	3250	0	4981	5007	-567	-1017	13049	133	13182	2255	15437	50.04
21	5008	232	299	5539	280	2824	0	4453	4914	-517	-1043	12514	82	12596	2137	14733	50.08
22	4988	192	299	5479	338	2864	0	4149	4015	-449	-977	11719	52	11771	2002	13773	50.06
23	4977	107	302	5386	293	2830	0	4177	3796	-608	-883	11422	8	11430	1863	13293	50.08
24	4971	102	303	5376	327	2632	0	3954	3952	-506	-684	11603	12	11615	1671	13286	50.32
MUs	121.14	9.24	6.74	137.12	4.94	74.16	0.70	106.71	105.22	-10.68	-13.68	308.45	8.89	317.34	44.63	361.97	50.08

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 01/Jan/2014

Position as on 6.30 Hrs of 02/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.	
Koradi Unit 7	210	27/12/2013	15.14	01/01/2014	18.52	Boiler Tube 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.	
Khaparkheda Unit 3	210	01/01/2014	14.23	01/01/2014	16.17	High Furnace Pressure.	
Uran Unit A0	120	01/01/2014	14.52		Continued.	Card Failure.	
Khaparkheda Unit 1	210	01/01/2014	17.48	01/01/2014	19.38	High Furnace Pressure.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2014

Position as on 6.30 Hrs of 02/Jan/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		
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.
Dhule-Sar'Sarovar - II	31/12/2013	21.53	01/01/2014	06.23	Over Voltage.
Kolhapur-Solapur(PGCIL)-I	31/12/2013	21.56	01/01/2014	07.04	Over Voltage.
Kolhapur-Solapur (PG) II	01/01/2014	17.19		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
Voltage Level : 400KV			Outage Type TRIPPED		
Karad - Solapur (PGCIL)	31/12/2013	21.40	01/01/2014	08.42	Over Voltage.
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.
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 <u>Khaperkheda Wardha Line.</u>
Bus Coupler Bay @ Uran	31/12/2013	10.36	01/01/2014	20.26	Isolator Replacement Work Under Jica -2.
Pedambe -Nerale	01/01/2014	08.00	01/01/2014	18.25	Replacement of Old Insulator String.
Bale - Tuljapur	01/01/2014	10.15		Continued.	Replacement of CT Under JICA - 2.
Volkswagan - Bridgestone	01/01/2014	11.13	01/01/2014	17.07	A. M. Work.
Khaparkheda-Ambazari - I	01/01/2014	11.19	01/01/2014	15.29	Tan Delta Measurment of CT's & CVT's Breaker Timing & Testing of Distance Scheme @ S/S.
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		Continued.	Over Voltage
Bhusawal - Deepnagar - I	30/12/2013	13.14		Continued.	Over Voltage.
Karad-Jaigad I	31/12/2013	16.37	01/01/2014	09.48	Over Voltage.
Lonikand- Koyna Stage IV	31/12/2013	20.54	01/01/2014	08.52	Over Voltage.
New Koyna - Dabhol - II	01/01/2014	02.54		Continued.	Over Voltage.
Karad-Jaigad I	01/01/2014	16.04		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		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jan/2014

Position as on 6.30 Hrs of 02/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	135
Unit 7	210	135
	620	270
Bhusawal		
Unit 2	210	125
Unit 3	210	134
Unit 4	500	381
Unit 5	500	0
	1420	640
Parli		
Unit 3	210	0
Unit 4	210	151
Unit 5	210	151
Unit 6	250	180
Unit 7	250	180
	1130	662
Chandrapur		
Unit 1	210	124
Unit 2	210	115
Unit 3	210	134
Unit 4	210	143
Unit 5	500	0
Unit 6	500	331
Unit 7	500	331
	2340	1178
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	162
Unit 2	210	144
Unit 3	210	171
Unit 4	210	171
Unit 5	500	473
	1340	1121
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	300
	852	300
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	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	0
BHTGR/VEER	21	3
BHIRA T.R.	80	40
RNGR+BHTSA	20	16
BHANDARDRA	45	20
ELDARY	23	10
SMLHY PTN	12	10
GHATGHAR	250	0
	611	99
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	1851
Other CPPs	300	245
	3885	3022
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	5011
	3455	5011