



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

State Load Dispatch Center, Airoli

Daily system Report

for

05/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 05/Jan/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.951	607.971	1) Gujrat	6.704	38.001
2) Hydro	18.357	84.753	2) Madhya Pradesh	20.648	91.864
3) Gas	6.263	33.071	3) Chattisgarh	9.840	43.650
Total MSGENCO	147.571	725.795	4) Maharashtra	72.707	355.605
B) 1) JSW JAIGAD	19.504	97.565	5) Goa	-5.341	-28.228
2) WPCL	2.426	12.947	6) TAPS 1&2 Injection	7.550	38.104
3) ADANI	37.980	179.780	7) RGPPL Injection	0.000	0.000
4) Other CPP / IPP	9.587	61.769	8) Pench (Excess)	-0.260	-0.578
5) Wind Generation	3.338	19.959	# Total Cent. Sector	111.848	538.418
6) PENCH (MS)	0.260	1.101	F) Other Exchanges		
7) SOLAR	0.901	3.919	1) With TPCL (Excess)	-15.977	-77.713
C) 1) TPCL Thermal	17.194	86.582	G) Bilateral Power *		
2) TPCL Hydro	0.353	15.317	1) MSEDCL Bilateral	10.762	66.908
TOTAL TPCL	17.547	101.899	Include PX	-2.201	-15.185
3) REL Thermal	5.759	50.990	2) MUMBAI Bilateral	15.401	61.787
D) STATE			Include PX	7.054	20.720
1) Thermal (A1+C1+C3)	145.904	745.543	3) MUMBAI Schedule	15.401	61.787
2) Hydro (A2+B6+C2)	18.970	101.171	H) ENERGY CATERED (MUs)		
3) Gas (A3)	6.263	33.071	1) MSEDCL	317.438	1563.540
4) Wind (B5)	3.338	19.959	2) TPCL	26.115	151.871
5) CPP/IPP (B1+B2+B3+B4)	69.497	210.261	3) REL	13.169	78.729
6) SOLAR (B7)	0.901	3.919	TOTAL STATE	356.722	1794.140
TOTAL STATE	244.873	1113.924			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 1 Hrs
MSGENCO Thermal	5186	5080	4932
MSGENCO Hydro	2332	1136	131
MSGENCO Gas	256	254	258
MSGENCO Total Generation	7774	6470	5321
Central Sector Receipt	4911	4739	4288
WIND	138	201	117
CPP / IPP	2897	2901	2956
SOLAR	168	46	0
Exchange with Mumbai	-728	-520	-762
MSEDCL DEMAND MET	15171	13860	11920
Load Shedding	886	601	4
MSEDCL DEMAND	16057	14461	11924
TPCL GENERATION	878	833	594
R-INFRA GENERATION	262	263	194
TPCL+R-INFRA DEMAND	1868	1616	1550
STATE DEMAND MET	17039	15476	13470
STATE DEMAND	17925	16077	13474
Frequency (Hz)	49.85	49.97	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.46 Hz at 15:57 Hrs	49.59 Hz at 09:06 Hrs	50.01	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 05/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	4.08	19.46	190	150	160
Unit 7	4.18	16.53	200	160	170
Total	8.25	35.98			330
Bhusawal					
Unit 2	3.12	16.48	135	125	140
Unit 3	1.42	15.34	140	0	150
Unit 4	8.74	42.46	385	335	410
Unit 5	6.14	30.34	285	210	0
Total	19.40	104.63			700
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.47	17.87	160	124	170
Unit 5	3.45	18.01	166	129	170
Unit 6	4.44	22.33	204	155	200
Unit 7	4.42	21.94	204	159	200
Total	15.79	80.15			740
Chandrapur					
Unit 1	3.22	15.82	138	130	150
Unit 2	3.34	16.11	142	135	140
Unit 3	4.05	20.29	186	125	190
Unit 4	4.53	22.65	208	164	210
Unit 5	0.00	0.00	0	0	0
Unit 6	9.17	47.36	425	340	400
Unit 7	9.08	46.05	413	341	425
Total	33.39	168.29			1515
Paras					
Unit 3	4.93	16.14	219	192	210
Unit 4	4.79	25.16	238	147	210
Total	9.72	41.30			420
Khaparkheda					
Unit 1	3.38	16.24	155	120	180
Unit 2	3.22	15.17	165	100	160
Unit 3	3.92	15.53	174	148	190
Unit 4	3.62	17.69	159	143	190
Unit 5	9.48	49.76	454	340	500
Total	23.62	114.39			1220
Nasik					
Unit 3	4.22	20.86	190	165	190
Unit 4	4.32	21.14	191	170	190
Unit 5	4.23	21.22	190	164	190
Total	12.78	63.23			570
Uran					
All Units	6.26	33.07	268	254	280
Total	6.26	33.07			280
PENCH (MS)					
Pench (MS)	0.26	1.10	33	0	0
Total	0.26	1.10			0
Koyna					
Stage 1-2	3.96	18.26	565	40	600
Stage 4	8.19	34.32	1067	0	250
Stage 3	2.62	11.18	318	0	320
Kovna 12&4 Total	12.15	52.58			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.76	63.77			1170
Hydro					
KDPH	0.46	1.68	19	19	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.07	0.38	4	3	3
BHIRA T.R.	0.19	0.98	40	0	40
RNGR+BHTSA	0.03	0.92	14	0	0
BHANDARDRA	0.56	1.24	24	23	27
ELDARY	0.00	0.27	0	0	0
SMLHY PTN	1.10	5.48	53	43	0
GHATGHAR	1.18	10.04	302	0	0
Total	3.59	20.99			88
Wind					
MalharPeth	0.08	1.06			
Vankuswadi	0.17	1.55			
ATIT	0.01	1.01			
Kale	0.03	0.58			
Satara	0.61	3.92			
Shirala	0.03	0.50			
K Mahankal	0.02	0.78			
Supa	0.04	0.41			
Vita	0.27	1.21			
Dondaicha	1.53	5.74			
Sakri	0.23	0.79			
Nandurbar	0.13	0.40			
Khandke	0.12	1.17			
Khaparale	0.08	0.84			
Total	3.34	19.96			
CPP					
JSW JAIGAD	19.50	97.56	899	707	780
WARDHA	2.43	12.95	104	96	110
Adani	37.98	179.78	1830	1420	1851
Other CPPs	9.59	61.77			
Total	69.50	352.06			2741
SOLAR					
Total	0.90	3.92			
Total	0.90	3.92			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.60	48.91	503	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	5.96	50	49	120
Trombay 7B	0.97	4.90	41	40	60
Trombay 8	5.43	26.81	252	185	250
TATA Hydro	0.35	15.32	138	0	447
Total	17.55	101.90			1377
REL					
1&2	5.76	50.99	263	194	250
Total	5.76	50.99			250
Cent Sect					
Share					5074
Total					5074
MS PG CL	Thermal	122.95	607.97		5495
	Thml+Gas	129.21	641.04		5775
	Hydro	18.36	84.75		1258
	Total	147.57	725.80		7033
State Total		244.87	1113.92		16475

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 05/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	4932	131	258	5321	117	2956	0	4212	4288	-703	-762	11920	4	11924	1550	13474	50.03
2	4942	176	258	5376	94	2928	0	4104	4330	-572	-622	12106	11	12117	1416	13533	50.00
3	4922	150	260	5332	102	2931	0	4031	4422	-499	-542	12245	11	12256	1338	13594	50.08
4	4948	140	260	5348	75	2934	0	4007	4449	-475	-508	12298	11	12309	1299	13608	50.09
5	4961	170	260	5391	133	2945	0	3999	4459	-470	-522	12416	11	12427	1317	13744	50.06
6	5065	165	261	5491	90	3052	0	4306	4987	-488	-572	13058	130	13188	1389	14577	50.13
7	5223	135	260	5618	136	3109	0	4552	4671	-520	-531	13003	803	13806	1454	15260	50.01
8	5329	350	262	5941	74	2901	5	4548	5294	-455	-533	13682	1003	14685	1510	16195	49.85
9	5453	1327	264	7044	42	2822	33	4496	4710	-533	-617	14067	931	14998	1620	16618	49.90
10	5429	2099	260	7788	42	2851	82	4671	4675	-621	-689	14782	712	15494	1753	17247	49.88
11	5321	2149	261	7731	87	2910	105	4773	4916	-712	-743	15031	765	15796	1841	17637	49.90
12	5186	2332	256	7774	138	2897	168	4842	4911	-740	-728	15171	886	16057	1868	17925	49.85
13	5215	2040	266	7521	219	2906	143	4819	4819	-731	-694	14937	1042	15979	1841	17820	49.94
14	5183	1529	266	6978	189	2893	89	4759	4977	-708	-656	14493	928	15421	1759	17180	50.05
15	5144	1437	267	6848	341	2898	116	4703	4823	-656	-581	14468	702	15170	1687	16857	50.12
16	5091	1455	263	6809	341	2897	103	4580	4861	-618	-523	14511	603	15114	1623	16737	50.06
17	5080	1136	254	6470	201	2901	46	4548	4739	-586	-520	13860	601	14461	1616	16077	49.97
18	5106	319	255	5680	154	2913	11	4442	4043	-608	-603	12221	660	12881	1668	14549	50.03
19	5164	256	267	5687	180	2920	0	4751	4756	-735	-754	12789	432	13221	1844	15065	49.92
20	5186	263	268	5717	169	2871	0	4790	4857	-791	-727	12887	230	13117	1938	15055	49.97
21	5125	167	260	5552	143	2821	0	4616	4754	-755	-931	12339	118	12457	1901	14358	49.99
22	5106	142	259	5507	100	2823	0	4002	4395	-768	-1001	11824	61	11885	1832	13717	50.05
23	4955	147	259	5361	95	2801	0	4000	4156	-872	-898	11515	17	11532	1697	13229	50.07
24	4885	142	259	5286	76	2617	0	4119	4556	-785	-720	11815	15	11830	1522	13352	50.17
MUs	122.95	18.36	6.26	147.57	3.34	69.50	0.90	106.67	111.85	-15.40	-15.98	317.44	10.69	328.12	39.28	367.41	50.01

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 05/Jan/2014

Position as on 6.30 Hrs of 06/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.	
REL 1	250	04/01/2014	23.38		Continued.	Annual Overhaul	
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.	
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.	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
CPP INDIABULLS	270	04/01/2014	09.18		Continued.	Coal Shortage	
Koradi Unit 6	210	06/01/2014	05.18		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jan/2014

Position as on 6.30 Hrs of 06/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	04/01/2014	16.04	05/01/2014	08.14	Over Voltage
Kolhapur-Solapur(PGCIL)-I	04/01/2014	16.40	05/01/2014	07.16	Over Voltage
Dhule-Sar'Sarovar - I	04/01/2014	22.17	05/01/2014	07.20	Over Voltage
Kolhapur - Mapusa - I	05/01/2014	16.07		Continued.	Over Voltage
Kolhapur-Solapur(PGCIL)-I	05/01/2014	17.48		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	05/01/2014	23.44		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		
400/132 KV 200 MVA ICT - II @ Khadka	11/11/2013	09.07		Continued.	Repl.of Old 200 MVA ICT Under LES
400/220/33KV,500 MVA ICT-I At Kalwa	05/01/2014	08.15		Continued.	Testing work,while taking I/S, tripped on Buchholz at 18.18Hrs.
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	05/01/2014	23.44	Connection of Jumpering Work Towards the LILO Arrangement for Butibori III S/S ON 220 KV Khaperkheda Wardha Line.
Main Bus-I at Trombay	05/01/2014	00.53	05/01/2014	09.21	Disconnecting Overhead M.B.span above R.Infra GIS and Connecting the Bus via U/G cable
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Deepnagar-Waluj I	03/12/2013	12:08		Continued.	Over Voltage.
New Koyna - Dabhol - II	01/01/2014	02.54		Continued.	Over Voltage.
Bhusawal - Deepnagar - II	03/01/2014	15.47		Continued.	For Change Over.
Karad - Kolhapur - II	04/01/2014	16.33	05/01/2014	09.15	Over Voltage
Karad-Jaigad I	04/01/2014	17.05	05/01/2014	08.58	Over Voltage
Karad-Kolhapur-II	05/01/2014	16.48		Continued.	Over Voltage
Bhusawal- Aurangabad	05/01/2014	17.04		Continued.	Over Voltage
400/220 KV 600 MVA ICT-II @ Kalwa	05/01/2014	18.29	05/01/2014	19.25	Burning of tape of y phase bushing of Tertiary winding
Lonikand- Koyna Stage IV	05/01/2014	22.01		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.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jan/2014

Position as on 6.30 Hrs of 06/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Koyna IV - Jejuri	06/01/2014	06.04		Continued.	Distance Protection
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 06/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	165
	620	165
Bhusawal		
Unit 2	210	140
Unit 3	210	0
Unit 4	500	410
Unit 5	500	0
	1420	550
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	164
Unit 6	250	160
Unit 7	250	160
	1130	634
Chandrapur		
Unit 1	210	124
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	1391
Paras		
Unit 3	250	210
Unit 4	250	210
	500	420
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	500
	1340	1220
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	280
	852	280
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	0
BHANDARDRA	45	24
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	94
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	824
WARDHA	405	100
Adani	1980	1851
Other CPPs	300	
	3885	2775
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	250
	500	250
Cent Sect		
Share	3455	5260
	3455	5260