



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Jan/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Jan/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.318	730.289	1) Gujrat	7.039	29.335
2) Hydro	18.992	103.745	2) Madhya Pradesh	21.645	113.509
3) Gas	6.069	39.140	3) Chattisgarh	9.950	53.600
Total MSGENCO	147.379	873.174	4) Maharashtra Net	74.646	445.956
B) 1) JSW JAIGAD	19.544	117.109	(Incl. 765kV Solapur-Raichur)	0.000	-3.900
2) WPCL	2.430	15.377	5) Goa	-6.289	-34.517
3) ADANI	39.160	218.940	6) TAPS 1&2 Injection	7.557	45.661
4) Other CPP / IPP	9.413	71.182	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.332	21.291	8) Pench (Excess)	-0.156	-0.909
6) PENCH (MS)	0.156	1.432			
7) SOLAR	0.903	4.822	# Total Cent. Sector	114.392	652.635
C) 1) TPCL Thermal	17.663	104.245	F) Other Exchanges		
2) TPCL Hydro	4.421	19.738	1) With TPCL (Excess)	-17.638	-95.351
TOTAL TPCL	22.084	123.983	G) Bilateral Power *		
3) REL Thermal	5.751	56.741	1) MSEDCL Bilateral	11.239	78.147
D) STATE			Include PX	-1.794	-16.979
1) Thermal (A1+C1+C3)	145.732	891.275	2) MUMBAI Bilateral	18.111	79.898
2) Hydro (A2+B6+C2)	23.569	124.915	Include PX	9.722	30.442
3) Gas (A3)	6.069	39.140	3) MUMBAI Schedule	18.111	79.898
4) Wind (B5)	1.332	21.291	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	70.547	242.828	1) MSEDCL	317.071	1880.611
6) SOLAR (B7)	0.903	4.822	2) TPCL	30.305	182.176
TOTAL STATE	248.152	1324.271	3) REL	15.167	93.896
			TOTAL STATE	362.543	2156.683

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5223	5240	4950
MSGENCO Hydro	2094	1362	169
MSGENCO Gas	255	247	259
MSGENCO Total Generation	7572	6849	5378
Central Sector Receipt	5324	5061	3724
WIND	37	16	80
CPP / IPP	2955	2931	2840
SOLAR	117	37	0
Exchange with Mumbai	-883	-779	-388
MSEDCL DEMAND MET	15122	14142	11634
Load Shedding	853	629	12
MSEDCL DEMAND	15975	14771	11646
TPCL GENERATION	1256	1225	595
R-INFRA GENERATION	261	262	203
TPCL+R-INFRA DEMAND	2400	2266	1186
STATE DEMAND MET	17522	16408	12820
STATE DEMAND	18375	17037	12832
Frequency (Hz)	49.88	49.84	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.41 Hz at 04.00 Hrs	49.53 Hz at 16.20 Hrs	49.98	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 06/Jan/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	1.66	1.66	135	0	0
Unit 6	0.90	20.36	185	0	0
Unit 7	3.94	20.47	180	150	165
Total	6.50	42.49			165
Bhusawal					
Unit 2	1.70	18.18	145	0	140
Unit 3	0.00	15.34	0	0	0
Unit 4	9.38	51.84	425	350	410
Unit 5	6.56	36.91	320	235	0
Total	17.65	122.28			550
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.56	21.42	155	135	150
Unit 5	3.68	21.69	166	143	164
Unit 6	4.69	27.03	220	165	160
Unit 7	4.56	26.49	230	158	160
Total	16.49	96.64			634
Chandrapur					
Unit 1	3.36	19.18	148	132	124
Unit 2	3.41	19.52	146	140	124
Unit 3	4.28	24.57	190	154	170
Unit 4	4.65	27.30	213	174	187
Unit 5	0.00	0.00	0	0	0
Unit 6	9.45	56.81	435	340	395
Unit 7	9.38	55.44	417	344	391
Total	34.54	202.82			1391
Paras					
Unit 3	4.78	20.92	216	186	210
Unit 4	4.73	29.89	221	184	210
Total	9.51	50.81			420
Khaparkheda					
Unit 1	3.80	20.04	165	145	180
Unit 2	3.53	18.70	160	120	160
Unit 3	4.08	19.61	187	143	190
Unit 4	3.95	21.64	178	148	190
Unit 5	9.28	59.04	430	357	500
Total	24.64	139.03			1220
Nasik					
Unit 3	4.34	25.20	190	170	190
Unit 4	4.32	25.47	192	163	190
Unit 5	4.33	25.56	190	169	190
Total	13.00	76.23			570
Uran					
All Units	6.07	39.14	263	246	280
Total	6.07	39.14			280
PENCH (MS)					
Pench (MS)	0.16	1.43	53	0	
Total	0.16	1.43			
Koyna					
Stage 1-2	3.96	22.22	590	35	600
Stage 4	7.70	42.02	960	0	250
Stage 3	2.46	13.65	320	0	320
Kovna 12&4 Total	11.65	64.23			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.11	77.88			1170
Hydro					
KDPH	0.45	2.13	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.00	0.00	0	0	0
BHTGR/VEER	0.07	0.45	4	3	2
BHIRA T.R.	0.10	1.09	41	0	40
RNGR+BHTSA	0.36	1.28	15	15	0
BHANDARDRA	0.59	1.83	25	24	24
ELDARY	0.00	0.27	0	0	0
SMLHY PTN	1.00	6.48	49	38	10
GHATGHAR	2.30	12.34	250	0	0
Total	4.88	25.86			94
Wind					
MalharPeth	0.06	1.12			
Vankuswadi	0.11	1.66			
ATIT	0.00	1.02			
Kale	0.02	0.60			
Satara	0.49	4.41			
Shirala	0.02	0.52			
K Mahankal	0.01	0.79			
Supa	0.08	0.49			
Vita	0.22	1.43			
Dondaicha	0.07	5.81			
Sakri	0.00	0.79			
Nandurbar	0.01	0.41			
Khandke	0.19	1.36			
Khaparale	0.04	0.88			
Total	1.33	21.29			
CPP					
JSW JAIGAD	19.54	117.11	891	705	824
WARDHA	2.43	15.38	103	98	100
Adani	39.16	218.94	1820	1290	1851
Other CPPs	9.41	71.18			
Total	70.55	422.61			2775
SOLAR					
Total	0.90	4.82			
Total	0.90	4.82			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.05	58.96	499	315	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	1.19	7.16	51	49	120
Trombay 7B	0.96	5.86	41	39	60
Trombay 8	5.46	32.27	252	185	250
TATA Hydro	4.42	19.74	447	0	447
Total	22.08	123.98			1377
REL					
1&2	5.75	56.74	263	200	250
Total	5.75	56.74			250
Cent Sect					
Share					5260
Total					5260
MS PG CL	Thermal	122.32	730.29		4950
	Thml+Gas	128.39	769.43		5230
	Hydro	18.99	103.74		1264
	Total	147.38	873.17		6494
State Total		248.15	1324.27		16156

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4966	150	259	5375	77	2489	0	4099	4487	-642	-567	11861	6	11867	1364	13231	50.12
2	4968	205	259	5432	93	2707	0	3841	4020	-523	-437	11815	12	11827	1235	13062	50.08
3	4950	169	259	5378	80	2840	0	3800	3724	-482	-388	11634	12	11646	1186	12832	50.03
4	4981	140	259	5380	67	2840	0	3763	3996	-445	-358	11925	12	11937	1153	13090	50.10
5	4924	150	259	5333	72	2865	0	3872	4101	-456	-379	11992	12	12004	1173	13177	50.20
6	4881	254	259	5394	75	3012	0	4296	4734	-486	-514	12701	111	12812	1307	14119	50.12
7	5060	218	259	5537	83	3074	0	4574	4645	-495	-577	12762	797	13559	1516	15075	50.02
8	5187	811	256	6254	82	3008	3	4747	4799	-551	-510	13636	981	14617	1675	16292	49.93
9	5183	1467	257	6907	69	3057	44	4686	4772	-695	-664	14185	907	15092	1934	17026	49.87
10	5187	2050	263	7500	50	2943	93	4903	4962	-818	-721	14827	723	15550	2180	17730	49.88
11	5172	2139	259	7570	47	2944	108	4962	4988	-864	-816	14841	780	15621	2362	17983	49.88
12	5223	2094	255	7572	37	2955	117	5116	5324	-1017	-883	15122	853	15975	2400	18375	49.88
13	5271	1668	250	7189	22	2915	141	5204	5236	-1029	-872	14631	1017	15648	2377	18025	49.83
14	5150	1496	247	6893	20	2872	131	5104	5203	-908	-755	14390	905	15295	2262	17557	49.88
15	5201	1591	246	7038	23	2915	136	5005	5114	-793	-731	14548	706	15254	2276	17530	49.89
16	5203	1664	248	7115	21	2907	88	5023	5160	-853	-723	14595	620	15215	2268	17483	49.90
17	5240	1362	247	6849	16	2931	37	5035	5061	-868	-779	14142	629	14771	2266	17037	49.84
18	5171	209	246	5626	26	3013	5	4941	4814	-848	-1059	12448	694	13142	2262	15404	49.95
19	5216	261	247	5724	38	3089	0	5248	5473	-930	-927	13397	426	13823	2345	16168	49.91
20	5172	282	247	5701	56	3090	0	5155	5432	-948	-978	13301	294	13595	2332	15927	49.98
21	5087	181	246	5514	69	3102	0	4901	4943	-867	-1089	12539	169	12708	2184	14892	50.06
22	5075	141	246	5462	66	3092	0	4469	4659	-806	-1105	12174	87	12261	1987	14248	50.01
23	4996	145	248	5389	71	3091	0	4341	4218	-956	-973	11796	16	11812	1801	13613	50.05
24	4844	145	248	5237	72	2796	0	4340	4527	-831	-833	11799	17	11816	1628	13444	50.10
MUs	122.31	18.99	6.07	147.37	1.33	70.55	0.90	111.42	114.39	-18.11	-17.64	317.06	10.79	327.85	45.47	373.32	49.98

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 06/Jan/2014

Position as on 6.30 Hrs of 07/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	06/01/2014	08.45	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	
Bhusawal Unit 3	210	05/01/2014	10.49		Continued.	ETL	
Koradi Unit 6	210	06/01/2014	05.18		Continued.	Boiler Tube Leakage	
Bhusawal Unit 2	210	06/01/2014	12.58		Continued.	BTL	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jan/2014

Position as on 6.30 Hrs of 07/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	05/01/2014	16.07	06/01/2014	10.10	Over Voltage
Kolhapur-Solapur(PGCIL)-I	05/01/2014	17.48	06/01/2014	10.07	Over Voltage
Dhule-Sar'Sarovar - II	05/01/2014	23.44	06/01/2014	07.38	Over Voltage
Kolhapur-Mapusa-II	06/01/2014	16.04		Continued.	Over Voltage
Kolhapur-Solapur (PG) II	06/01/2014	17.16		Continued.	Over Voltage
Dhule-Sar'Sarovar - I	07/01/2014	02.12		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.
Bus II at C'pur II	06/01/2014	09.46	06/01/2014	22.34	Main Bus Jumpering
400/220 KV 315 MVA ICT-II @ Nagothane.	06/01/2014	10.00	06/01/2014	22.20	Oil Leakage from Neutral Bushing
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
220/132KV 200 MVA ICT-III @ Chinchwad	04/01/2014	11.23	06/01/2014	Continued.	Repl.of Faulty Pilot Insulator string
Aurangabad-Jalna-II	06/01/2014	07.58	06/01/2014	19.16	Stringing work
Aurangabad-Jalna-I	06/01/2014	07.58	06/01/2014	19.16	Stringing work
Chitegaon-Shendra I	06/01/2014	08.27	06/01/2014	11.27	Removal of Earth Wire
Pawas-Kharepatan	06/01/2014	09.09	06/01/2014	18.15	Insulator cleaning work
Lote - N.Koyna	06/01/2014	09.40	06/01/2014	14.50	Q.M.work
Badnera-Akola-II	06/01/2014	09.54	06/01/2014	15.57	Repl.Faulty Disc Insulator
Main Bus Section - I @ Pophali	06/01/2014	12.30	06/01/2014	19.40	Hot Spot
Chinchwad-Parvati	06/01/2014	14.35	06/01/2014	18.25	To facilitate outage on 200MVA ICT-3
Talandage-Hamidwada	06/01/2014	16.31	06/01/2014	17.56	Replacement of Faulty Insulator string
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	05/01/2014	16.48	06/01/2014	08.46	Over Voltage
Bhusawal- Aurangabad	05/01/2014	17.04		Continued.	Over Voltage
Lonikand- Koyna Stage IV	05/01/2014	22.01	06/01/2014	06.53	Over Voltage
Karad - Kolhapur - I	06/01/2014	16.20		Continued.	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 06/Jan/2014

Position as on 6.30 Hrs of 07/Jan/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	06/01/2014	21.52		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	17/11/2013	18.00	06/01/2014	07.58	To control Paras-Chikhali line loading
Chikhali - Jalna - II	17/11/2013	18.00	06/01/2014	07.58	To control Paras-Chikhali line loading
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 : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane - II	31/12/2013	02.29		Continued.	Over Voltage.
Koyna IV - Jejuri	06/01/2014	06.04	06/01/2014	09.24	Distance Protection
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Nagothane-PASCO	06/01/2014	13.27	06/01/2014	14.42	Relay Burnt
Talandage-Hamidwada	06/01/2014	18.01	06/01/2014	18.15	Distance protection
Voltage Level : 132KV			Outage Type TRIPPED		
Kurunda - Basmat	06/01/2014	10.00	06/01/2014	15.40	Backup O/C Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 07/Jan/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	130
Unit 6	210	0
Unit 7	210	120
	620	250
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	410
Unit 5	500	0
	1420	410
Parli		
Unit 3	210	0
Unit 4	210	145
Unit 5	210	145
Unit 6	250	170
Unit 7	250	170
	1130	630
Chandrapur		
Unit 1	210	150
Unit 2	210	140
Unit 3	210	190
Unit 4	210	210
Unit 5	500	0
Unit 6	500	420
Unit 7	500	400
	2340	1510
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	160
Unit 3	210	190
Unit 4	210	190
Unit 5	500	480
	1340	1200
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	260
	852	260
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	13
BHIRA T.R.	80	40
RNGR+BHTSA	20	13
BHANDARDRA	45	13
ELDARY	23	
SMLHY PTN	12	13
GHATGHAR	250	
	611	110
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	120
Adani	1980	1851
Other CPPs	300	
	3885	2795
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	5046
	3455	5046