



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

State Load Dispatch Center, Airoli

Daily system Report

for

10/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 10/Jan/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.738	1218.563	1) Gujrat	-1.206	-11.463
2) Hydro	5.708	63.608	2) Madhya Pradesh	11.368	125.276
3) Gas	7.859	85.539	3) Chattisgarh	5.730	49.780
Total MSGENCO	139.305	1367.710	4) Maharashtra Net	81.309	766.943
B) 1) JSW JAIGAD	20.375	198.817	(Incl. 765kV Solapur-Raichur)	-6.206	-105.394
2) WPCL	2.629	22.650	5) Goa	-6.254	-62.659
3) ADANI	47.660	431.190	6) TAPS 1&2 Injection	2.464	24.982
4) Other CPP / IPP	25.038	232.532	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.599	45.642	8) Pench (Excess)	-0.538	-5.417
6) PENCH (MS)	0.538	5.417	# Total Cent. Sector	92.873	887.442
7) SOLAR	1.274	9.227	F) Other Exchanges		
C) 1) TPCL Thermal	9.187	101.343	1) With TPCL (Excess)	-25.623	-252.640
2) TPCL Hydro	4.465	40.263	G) Bilateral Power *		
TOTAL TPCL	13.652	141.606	1) MSEDCL Bilateral	19.528	182.480
3) REL Thermal	5.531	65.179	Include PX	-6.577	-61.884
D) STATE			2) MUMBAI Bilateral	22.139	210.192
1) Thermal (A1+C1+C3)	140.456	1385.085	Include PX	3.550	28.420
2) Hydro (A2+B6+C2)	10.711	109.288	3) MUMBAI Schedule	22.139	212.268
3) Gas (A3)	7.859	85.539	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.599	45.642	1) MSEDCL	308.668	2947.987
5) CPP/IPP (B1+B2+B3+B4)	95.702	885.189	2) TPCL	26.970	283.040
6) SOLAR (B7)	1.274	9.227	3) REL	17.836	176.381
TOTAL STATE	260.601	2519.970	TOTAL STATE	353.474	3407.408

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5456	5845	5087
MSGENCO Hydro	598	141	97
MSGENCO Gas	294	281	296
MSGENCO Total Generation	6348	6267	5480
Central Sector Receipt	5376	5207	1718
WIND	112	37	296
CPP / IPP	4297	4392	3526
SOLAR	181	153	0
Exchange with Mumbai	-1166	-1200	-738
MSEDCL DEMAND MET	15172	14882	10293
Load Shedding	68	78	56
MSEDCL DEMAND	15240	14960	10349
TPCL GENERATION	871	679	349
R-INFRA GENERATION	263	262	195
TPCL+R-INFRA DEMAND	2300	2141	1282
STATE DEMAND MET	17472	17023	11575
STATE DEMAND	17540	17101	11631
Frequency (Hz)	50.00	49.97	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 12:02 Hrs	49.56 Hz at 07:11 Hrs	49.95	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 10/Jan/2015

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	3.91	37.49	175	155	160
Unit 7	3.87	37.46	168	155	160
Total	7.78	74.95			320
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.89	18.80	170	155	160
Unit 4	8.64	87.44	505	325	330
Unit 5	8.58	86.46	500	325	330
Total	21.10	192.69			820
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.59	5.70	163	140	145
Unit 5	3.62	36.04	158	145	155
Unit 6	4.93	48.48	250	191	200
Unit 7	4.95	48.00	226	190	200
Total	17.09	138.22			700
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	2.93	31.34	129	105	130
Unit 3	0.00	28.86	0	0	0
Unit 4	4.36	41.61	190	173	200
Unit 5	9.60	86.12	450	340	450
Unit 6	8.08	78.40	385	250	400
Unit 7	9.67	83.67	474	349	450
Total	34.63	350.00			1630
Paras					
Unit 3	4.93	44.41	218	188	200
Unit 4	4.96	46.40	227	190	200
Total	9.89	90.81			400
Khaparkheda					
Unit 1	4.06	38.91	190	155	180
Unit 2	3.96	37.13	175	150	180
Unit 3	4.52	43.62	215	165	210
Unit 4	0.00	38.79	0	0	0
Unit 5	10.06	96.24	500	375	500
Total	22.59	254.69			1070
Nasik					
Unit 3	4.20	41.74	200	165	200
Unit 4	4.22	41.65	189	168	190
Unit 5	4.22	30.82	192	165	190
Total	12.64	114.21			580
Uran					
All Units	7.86	85.54	440	179	300
Total	7.86	85.54			300
PENCH (MS)					
Pench (MS)	0.54	5.42	26	11	0
Total	0.54	5.42			0
Koyna					
Stage 1-2	2.17	25.10	290	40	600
Stage 4	0.18	3.25	97	0	250
Stage 3	0.70	6.44	158	0	240
Kovna 12&4 Total	2.35	28.34			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	3.05	34.78			1090
Hydro					
KDPH	0.00	1.93	0	0	0
VTRNA	0.00	0.00	0	0	0
TILLARI	0.37	3.63	63	0	64
BHTGR/VEER	0.10	0.94	5	4	5
BHIRA T.R.	0.12	1.92	40	0	80
RNGR+BHTSA	0.36	3.51	16	15	15
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.83	9.57	42	31	9
GHATGHAR	0.89	7.33	126	0	0
Total	2.66	28.82			173
Wind					
MalharPeth	0.15	0.93			
Vankuswadi	0.24	1.73			
ATIT	0.03	0.19			
Kale	0.14	0.70			
Satara	2.40	22.85			
Shirala	0.21	0.98			
K Mahankal	0.02	0.13			
Supa	0.04	0.46			
Vita	0.74	7.66			
Dondaicha	0.40	5.15			
Sakri	0.09	0.67			
Nandurbar	0.04	1.69			
Khandke	0.02	1.68			
Khaparale	0.08	0.82			
Total	4.60	45.64			
CPP					
JSW JAIGAD	20.38	198.82	934	722	854
WARDHA	2.63	22.65	117	100	115
Adani	47.66	431.19	2760	740	2468
Other CPPs	25.04	232.53			745
Total	95.70	885.19			4182
SOLAR					
Total	1.27	9.23			
Total	1.27	9.23			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	21.75	0	0	0
Trombay 6	3.61	26.89	151	149	500
Trombay 7A	0.00	0.00	0	0	0
Trombay 7B	0.00	0.00	0	0	0
Trombay 8	5.58	52.71	253	198	250
TATA Hydro	4.46	40.26	471	0	447
Total	13.65	141.61			1197
REL					
1&2	5.53	65.18	263	194	250
Total	5.53	65.18			250
Cent Sect					
Share					5439
Total					5439
MS PG CL	Thermal	125.74	1218.56		5520
	Thml+Gas	133.60	1304.10		5820
	Hydro	5.71	63.61		1263
	Total	139.30	1367.71		7083
State Total		260.60	2519.97		18151

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 10/Jan/2015

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	5082	97	289	5468	319	3589	0	2446	2077	-705	-920	10556	93	10649	1462	12111	50.00
2	5087	97	295	5479	308	3552	0	2243	1963	-678	-777	10546	56	10602	1320	11922	49.99
3	5087	97	296	5480	296	3526	0	1999	1718	-656	-738	10293	56	10349	1282	11631	49.99
4	5059	167	179	5405	315	3509	0	1963	1814	-638	-709	10358	56	10414	1253	11667	49.98
5	5062	102	180	5344	305	3548	0	2318	2242	-638	-712	10753	61	10814	1257	12071	49.99
6	4980	96	219	5295	306	3489	0	3230	3061	-679	-823	11351	74	11425	1369	12794	49.97
7	5089	96	288	5473	348	2578	0	4507	4244	-656	-943	11725	94	11819	1498	13317	49.95
8	5062	462	289	5813	269	4717	10	4900	5051	-759	-855	15031	96	15127	1646	16773	49.79
9	5159	483	300	5942	202	4146	65	5196	5327	-984	-984	14723	92	14815	1853	16668	49.85
10	5281	433	295	6009	183	4248	124	5370	5408	-1138	-1202	14796	72	14868	2137	17005	49.81
11	5316	436	290	6042	133	4289	160	5327	5588	-1225	-1166	15069	63	15132	2299	17431	49.89
12	5456	598	294	6348	112	4297	181	5196	5376	-1201	-1166	15172	68	15240	2300	17540	50.00
13	5844	290	282	6416	67	4417	180	5076	4901	-1136	-1186	14820	137	14957	2299	17256	49.99
14	5847	191	282	6320	56	4374	176	5014	4589	-1055	-1179	14361	81	14442	2150	16592	49.98
15	5845	141	281	6267	37	4392	153	4988	5207	-1076	-1200	14882	78	14960	2141	17101	49.97
16	5494	160	350	6004	41	4381	137	4919	4902	-1135	-1097	14393	71	14464	2140	16604	49.93
17	5360	120	420	5900	51	4358	76	4828	4694	-960	-1168	13936	66	14002	2221	16223	49.77
18	5291	100	421	5812	110	4369	12	4133	3627	-959	-1305	12648	71	12719	2077	14796	50.02
19	5070	160	421	5651	169	4141	0	4541	4646	-1098	-1337	13296	69	13365	2253	15618	49.99
20	5076	164	435	5675	176	3933	0	4674	4525	-1118	-1332	12990	68	13058	2293	15351	49.99
21	5070	414	436	5920	133	3871	0	3699	4104	-1057	-1334	12705	67	12772	2144	14916	49.99
22	5089	619	438	6146	176	4012	0	2813	2741	-922	-1220	11879	67	11946	1990	13936	50.04
23	5033	90	439	5562	245	4036	0	2971	2458	-923	-1200	11126	67	11193	1797	12990	49.98
24	4999	95	440	5534	242	3930	0	2535	2610	-743	-1070	11259	62	11321	1625	12946	50.00
MUs	125.74	5.71	7.86	139.30	4.60	95.70	1.27	94.89	92.87	-22.14	-25.62	308.67	1.78	310.45	44.81	355.26	49.95

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 10/Jan/2015

Position as on 6.30 Hrs of 11/Jan/2015

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	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
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-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Cent_Sect TARAPUR-4	540	19/12/2014	19.04		Continued.	W/Dn.	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
CPP JSW (J) U2	300	02/01/2015	20.51		Continued.	W/Dn.	
REL 2	250	04/01/2015	01.55		Continued.	Stator E/F.	
CPP Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	
Uran Unit 6	108	05/01/2015	18.07	10/01/2015	02.03	Gas Shortage.	
Uran Unit A0	120	10/01/2015	02.35	10/01/2015	06.26	water pump prob.	
Bhusawal Unit 3	210	11/01/2015	08.23		Continued.	Boiler Tube leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jan/2015

Position as on 6.30 Hrs of 11/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Vasai-Boiser(PG)	09/01/2015	12.56		Continued.	hot spot
Nasik-Navsari-I	10/01/2015	09.00	10/01/2015	18.00	Outage at Navsari end
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Mapusa-II	09/01/2015	16.37	10/01/2015	07.28	over voltage
Dhule-Sar'Sarovar - I	09/01/2015	17.37	10/01/2015	05.53	over voltage
Kolhapur - Mapusa - I	10/01/2015	16.29	11/01/2015	07.30	Over Voltage
Dhule-Sar'Sarovar - II	10/01/2015	16.30	11/01/2015	07.27	Over Voltage
Kolhapur-Solapur (PG) II	10/01/2015	23.06	11/01/2015	07.03	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
Karad - Solapur (PGCIL)	09/01/2015	17.47	10/01/2015	10.22	distance protection
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	09/01/2015	22.21	10/01/2015	03.37	maintance work
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220 KV 105 MVA Spare ICT @ Akola.	06/01/2015	09.50		Continued.	Oil Filtration of Main Tank & OLTC Due to Rise in Water Content.
400/132KV,315 MVA ICT-I at Khadka	10/01/2015	09.17	10/01/2015	13.54	CT Oil Leakage
400/220 KV 315 MVA ICT - II @ Parli	10/01/2015	09.26	10/01/2015	19.53	Diagonstic testing of ICT
400/220 KV 315 MVA ICT-I @ Dhule	10/01/2015	09.31	10/01/2015	15.25	R.M.Work
Lonikand - Jejuri	10/01/2015	10.22	10/01/2015	14.14	Maint.woprk(Taken on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
220/132KV, 200MVA ICT-1@Boiser	09/01/2015	08.15	10/01/2015	00.26	maintance work
Padgha - Nalasopara	09/01/2015	13.00		Continued.	shift load of nalasopara on boiser pg
Padgha-Vasai	09/01/2015	13.12		Continued.	maintance work
Apta-Uran-II	10/01/2015	10.13	10/01/2015	15.05	Maint.work
Kalwa-Mulund-I	11/01/2015	06.29	11/01/2015	12.30	Jumper replacement
Trombay-Mulund	11/01/2015	12.37	11/01/2015	18.48	Insulator replacement work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bableshwar-Taptitanda I	05/01/2015	17.06	10/01/2015	10.17	Over Voltage.
Karad-Kolhapur-II	09/01/2015	16.28	10/01/2015	08.50	over voltage
Karad-Jaigad II	09/01/2015	16.38	10/01/2015	08.53	over voltage
Bhusawal- Aurangabad	09/01/2015	17.09	11/01/2015	07.35	over voltage
Lonikand- Koyna Stage IV	09/01/2015	20.39	10/01/2015	06.32	over voltage
Bableshwar-Taptitanda II	10/01/2015	10.20	11/01/2015	08.14	Hot Spot (RFC 17.50Hrs)

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jan/2015

Position as on 6.30 Hrs of 11/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	10/01/2015	16.24	11/01/2015	08.43	Over Voltage
Karad-Jaigad I	10/01/2015	16.38	11/01/2015	08.47	Over Voltage
Lonikand- Koyna Stage IV	10/01/2015	20.36	11/01/2015	07.18	Over Voltage
Karad - Lonikand	10/01/2015	22.01	11/01/2015	07.46	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
New Koyna - Dabhol - I	02/01/2015	03.02		Continued.	Over Voltage.
Karad-Kolhapur-II	11/01/2015	02.58	11/01/2015	09.25	Over Voltage
Bblswr - Padgha - II	11/01/2015	15.02	11/01/2015	17.48	Distance protection
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.
Voltage Level : 132KV			Outage Type TRIPPED		
Parbhani-Pathari	10/01/2015	18.19	10/01/2015	18.30	Distance Protection
Himayatnagar-Kinwat	11/01/2015	07.52	11/01/2015	08.15	Distance Protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 11/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	150
	620	305
Bhusawal		
Unit 2	210	0
Unit 3	210	165
Unit 4	500	325
Unit 5	500	320
	1420	810
Parli		
Unit 3	210	0
Unit 4	210	165
Unit 5	210	164
Unit 6	250	188
Unit 7	250	187
	1130	704
Chandrapur		
Unit 1	210	0
Unit 2	210	130
Unit 3	210	0
Unit 4	210	210
Unit 5	500	470
Unit 6	500	450
Unit 7	500	480
	2340	1740
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	0
Unit 5	500	500
	1340	1070
Nasik		
Unit 3	210	182
Unit 4	210	172
Unit 5	210	172
	630	526
Uran		
All Units	852	465
	852	465
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	5
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	14
GHATGHAR	250	
	611	173
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	781
WARDHA	405	115
Adani	2640	2468
Other CPPs	300	745
	4545	4109
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5060
	3455	5060