



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

State Load Dispatch Center, Airoli

Daily system Report

for

09/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Dec/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.944	1100.911	1) Gujrat	7.294	12.852
2) Hydro	18.760	86.233	2) Madhya Pradesh	13.288	99.034
3) Gas	7.399	70.214	3) Chattisgarh	5.780	55.470
Total MSGENCO	149.103	1257.358	4) Maharashtra Net	106.934	821.386
B) 1) JSW JAIGAD	21.036	199.312	(Incl. 765kV Solapur-Raichur)	-1.070	-31.570
2) WPCL	2.754	23.753	5) Goa	-6.459	-54.372
3) ADANI	43.550	475.750	6) TAPS 1&2 Injection	3.674	32.600
4) Other CPP / IPP	23.971	208.756	7) RGPPL Injection	0.000	0.000
5) Wind Generation	1.700	59.074	8) Pench (Excess)	-0.034	-1.033
6) PENCH (MS)	0.034	1.033	# Total Cent. Sector	130.477	965.937
7) SOLAR	0.861	9.310	F) Other Exchanges		
C) 1) TPCL Thermal	14.527	168.123	1) With TPCL (Excess)	-27.094	-185.283
2) TPCL Hydro	6.414	32.749	G) Bilateral Power *		
TOTAL TPCL	20.941	200.872	1) MSEDCL Bilateral	26.301	224.159
3) REL Thermal	5.967	95.270	Include PX	-1.487	6.084
D) STATE			2) MUMBAI Bilateral	23.914	169.888
1) Thermal (A1+C1+C3)	143.438	1364.304	Include PX	7.047	10.535
2) Hydro (A2+B6+C2)	25.208	120.015	3) MUMBAI Schedule	25.722	174.417
3) Gas (A3)	7.399	70.214	H) ENERGY CATERED (MUs)		
4) Wind (B5)	1.700	59.074	1) MSEDCL	346.392	3015.000
5) CPP/IPP (B1+B2+B3+B4)	91.311	907.571	2) TPCL	32.666	291.813
6) SOLAR (B7)	0.861	9.310	3) REL	21.337	188.884
TOTAL STATE	269.917	2530.488	TOTAL STATE	400.395	3495.697

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5244	5077	4933
MSGENCO Hydro	1337	1648	161
MSGENCO Gas	305	277	318
MSGENCO Total Generation	6886	7002	5412
Central Sector Receipt	6612	6485	4541
WIND	79	40	70
CPP / IPP	3936	3912	3624
SOLAR	120	69	0
Exchange with Mumbai	-1316	-1354	-818
MSEDCL DEMAND MET	16317	16154	12829
Load Shedding	57	53	50
MSEDCL DEMAND	16374	16207	12879
TPCL GENERATION	1136	1084	460
R-INFRA GENERATION	258	263	201
TPCL+R-INFRA DEMAND	2710	2701	1479
STATE DEMAND MET	19027	18855	14308
STATE DEMAND	19084	18908	14358
Frequency (Hz)	49.92	49.93	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.27 Hz at 21.57 Hrs	49.6 Hz at 06.38 Hrs	49.96	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 09/Dec/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	3.81	29.66	172	150	150
Unit 7	3.81	35.13	180	125	160
Total	7.63	64.78			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	1.62	21.20	150	0	145
Unit 4	9.06	85.18	510	340	360
Unit 5	8.48	78.78	500	315	325
Total	19.16	185.16			830
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.55	31.58	158	140	144
Unit 6	5.38	44.55	250	215	215
Unit 7	5.26	44.54	250	196	215
Total	14.18	120.66			574
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.23	30.17	141	126	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.39	39.02	193	168	200
Unit 5	9.62	78.61	450	364	400
Unit 6	9.14	76.18	400	332	400
Unit 7	9.11	78.25	421	335	400
Total	35.50	302.22			1550
Paras					
Unit 3	4.79	45.43	218	166	200
Unit 4	4.82	43.90	216	188	200
Total	9.61	89.32			400
Khaparkheda					
Unit 1	4.16	34.85	190	145	180
Unit 2	3.98	33.52	180	155	180
Unit 3	4.59	37.56	199	181	200
Unit 4	4.73	37.50	210	185	190
Unit 5	10.73	90.09	500	380	420
Total	28.19	233.52			1170
Nasik					
Unit 3	4.38	38.72	205	165	190
Unit 4	0.00	28.55	0	0	0
Unit 5	4.28	37.96	190	165	190
Total	8.67	105.23			380
Uran					
All Units	7.40	70.21	427	240	460
Total	7.40	70.21			460
PENCH (MS)					
Pench (MS)	0.03	1.03	20	0	
Total	0.03	1.03			
Koyna					
Stage 1-2	4.48	25.30	465	40	600
Stage 4	6.19	12.57	846	0	250
Stage 3	2.20	8.15	238	0	240
Kovna 12&4 Total	10.67	37.87			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	12.87	46.03			1090
Hydro					
KDPH	0.45	4.08	19	18	19
VTRNA	0.64	9.15	61	0	61
TILLARI	0.36	3.08	62	0	60
BHTGR/VEER	0.00	0.51	0	0	2
BHIRA T.R.	0.14	1.55	80	0	80
RNGR+BHTSA	0.39	1.55	17	16	15
BHANDARDRA	0.67	2.14	28	28	0
ELDARY	0.34	1.25	15	13	14
SMLHY PTN	1.16	9.19	56	45	10
GHATGHAR	1.75	7.70	250	0	0
Total	5.89	40.21			261
Wind					
MalharPeth	0.06	1.94			
Vankuswadi	0.10	4.14			
ATIT	0.00	0.46			
Kale	0.02	1.36			
Satara	0.84	26.32			
Shirala	0.02	2.10			
K Mahankal	0.00	7.08			
Supa	0.03	0.58			
Vita	0.26	5.17			
Dondaicha	0.21	4.34			
Sakri	0.01	0.49			
Nandurbar	0.09	1.80			
Khandke	0.04	1.61			
Khaparale	0.01	1.69			
Total	1.70	59.07			
CPP					
JSW JAIGAD	21.04	199.31	945	759	918
WARDHA	2.75	23.75	118	112	115
Adani	43.55	475.75	1840	1790	1851
Other CPPs	23.97	208.76			745
Total	91.31	907.57			3629
SOLAR					
Total	0.86	9.31			
Total	0.86	9.31			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.85	90.16	496	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.24	20.76	115	59	120
Trombay 7B	1.43	13.10	67	48	60
Trombay 8	0.00	44.10	0	0	0
TATA Hydro	6.41	32.75	459	0	447
Total	20.94	200.87			1127
REL					
1&2	5.97	95.27	263	194	250
Total	5.97	95.27			250
Cent Sect					
Share					6239
Total					6239
MS PG CL	Thermal	122.94	1100.91		5214
	Thml+Gas	130.34	1171.12		5674
	Hydro	18.76	86.23		1351
	Total	149.10	1257.36		7025
State Total		269.92	2530.49		18270

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 09/Dec/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	4909	161	427	5497	67	3601	0	4424	4797	-822	-951	13011	78	13089	1773	14862	49.99
2	4928	161	240	5329	69	3577	0	4427	4767	-725	-947	12795	50	12845	1624	14469	50.00
3	4904	161	315	5380	72	3577	0	4631	4653	-704	-875	12807	50	12857	1535	14392	50.04
4	4933	161	318	5412	70	3624	0	4493	4541	-697	-818	12829	50	12879	1479	14358	50.00
5	4994	166	318	5478	68	3635	0	4638	4744	-709	-801	13124	51	13175	1491	14666	49.98
6	5063	176	317	5556	74	3718	0	5088	5196	-783	-737	13807	63	13870	1595	15465	49.91
7	5109	649	320	6078	74	3929	0	5230	5832	-790	-737	15176	67	15243	1765	17008	49.86
8	5175	1330	320	6825	79	3930	7	5245	5502	-754	-661	15686	67	15753	1915	17668	49.86
9	5246	1305	319	6870	89	3886	48	5350	5591	-884	-789	15715	62	15777	2164	17941	49.81
10	5289	1461	313	7063	60	3914	95	5772	5979	-1102	-1105	16016	57	16073	2493	18566	49.83
11	5244	1337	305	6886	79	3936	120	6025	6612	-1287	-1316	16317	57	16374	2710	19084	49.92
12	5278	1454	300	7032	50	3912	141	6263	6332	-1446	-1429	16038	63	16101	2819	18920	49.95
13	5578	1312	295	7185	31	3929	122	5982	6263	-1419	-1391	16139	124	16263	2786	19049	49.99
14	5592	1282	274	7148	25	3943	129	5737	5916	-1317	-1308	15853	74	15927	2650	18577	50.00
15	5632	1302	276	7210	24	3929	99	5810	6048	-1333	-1380	15930	65	15995	2702	18697	49.97
16	5077	1648	277	7002	40	3912	69	6094	6485	-1335	-1354	16154	53	16207	2701	18908	49.93
17	5001	1420	290	6711	43	3882	29	6033	5959	-1325	-1331	15293	54	15347	2696	18043	49.91
18	4985	717	299	6001	79	3741	2	5793	5744	-1314	-1331	14236	61	14297	2701	16998	49.85
19	5052	766	303	6121	135	3894	0	5579	5719	-1376	-1413	14456	61	14517	2774	17291	49.93
20	5076	666	307	6049	152	3830	0	5439	5211	-1333	-1352	13890	66	13956	2708	16664	49.97
21	5023	378	314	5715	114	3794	0	4893	4889	-1254	-1211	13301	61	13362	2494	15856	50.02
22	5017	232	316	5565	91	3803	0	4629	4404	-1174	-1327	12536	57	12593	2308	14901	50.12
23	4987	270	320	5577	75	3700	0	4299	4548	-923	-1304	12596	57	12653	2160	14813	50.07
24	4851	245	316	5412	40	3715	0	4606	4742	-917	-1226	12683	57	12740	1959	14699	50.04
MUs	122.94	18.76	7.40	149.10	1.70	91.31	0.86	126.48	130.47	-25.72	-27.09	346.39	1.51	347.89	54.00	401.90	49.96

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 09/Dec/2014

Position as on 6.30 Hrs of 10/Dec/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	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
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	
Parli Unit 4	210	13/10/2014	10.49		Continued.	Coal Shortage.	
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	
CPP WPCL U-4	135	01/11/2014	00.19		Continued.	Withdrawn	
Chandrapur Unit 3	210	12/11/2014	20.58		Continued.	Coal Shortage.	
Tata Trombay 6	500	21/11/2014	21.11		Continued.	Economic Shut Down	
Uran Unit 8	108	26/11/2014	00.02		Continued.	Gas Shortage	
CPP Adani U-5	660	26/11/2014	20.12		Continued.	MS drain line leakage.	
Nasik Unit 4	210	07/12/2014	22.00		Continued.	ID fan problem	
REL 2	250	08/12/2014	05.21		Continued.	over speed protection	
CPP JSW (J) U2	300	08/12/2014	12.41	09/12/2014	16.42	BTL	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Tata Trombay 8	250	09/12/2014	00.00	10/12/2014	05.21	superheater drain line leak	
Uran Unit 5	108	09/12/2014	01.50		Continued.	Gas shortage	
Bhusawal Unit 3	210	09/12/2014	11.19		Continued.	Condensor tube Leakage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2014

Position as on 6.30 Hrs of 10/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
765 KV Aurangabad PG - Wardha PG - II	06/12/2014	09.47		Continued.	Erection of BPI for spare reactor
Chandrapur - Bhadravati - III	09/12/2014	08.38	09/12/2014	16.38	A.M.Work.
Akola - Aurangabad - I	09/12/2014	10.47	09/12/2014	11.30	For Tacking Line Reactor In Service.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	08/12/2014	21.57	09/12/2014	10.35	over voltage
Dhule-Sar'Sarovar - I	09/12/2014	19.40		Continued.	Over Voltage.
Kolhapur - Mapusa - II	09/12/2014	19.43		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ,GT-5 at Deepnagar	22/09/2014	10.50		Continued.	Repl.damaged poles of main CB pole.
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/11.5 KV 80 MVA Stn T/F - I @ Chandrapur	19/11/2014	08.55		Continued.	Testing work by MSPGCL.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Bus - II @ Koradi	26/11/2014	10.52		Continued.	High level stringing over Bus 2 for Dia-3.
New Koyna - StageIV - I	09/12/2014	10.18		Continued.	Relay Retofitting Work.
Bblswr - Padgha - II	09/12/2014	16.57		Continued.	Taken on T.B.C
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Ghodbandar	25/11/2014	10.43		Continued.	Erection & Stringing Work.
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
Pedambe - Adlab	09/12/2014	08.45	09/12/2014	18.18	Installation of Vibration Damper.
220/100KV 200 MVA ICT-II @ Padgha	09/12/2014	09.54	09/12/2014	18.45	Replacement of T/F Cooling Control System Under Les.
Miraj - Kadegaon	09/12/2014	10.12	09/12/2014	14.46	Restrining of Broken Earth Wire.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Khadka - Aurangabad	07/12/2014	17.05		Continued.	over voltage
Karad - Kolhapur - II	08/12/2014	16.20	09/12/2014	08.33	over voltage
Karad-Jaigad I	08/12/2014	16.38	09/12/2014	10.16	over voltage
Khadka - Aurangabad	08/12/2014	19.09		Continued.	over voltage
Bhusawal- Aurangabad	08/12/2014	19.09	09/12/2014	09.01	Over Voltage.
Lonikand- Koyna Stage IV	08/12/2014	21.19	09/12/2014	06.18	over voltage
Karad - Kolhapur - II	09/12/2014	16.58		Continued.	Over Voltage.
Bhusawal- Aurangabad	09/12/2014	17.07		Continued.	Over Voltage.
Karad-Jaigad I	09/12/2014	19.43		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	09/12/2014	22.00	10/12/2014	06.50	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 09/Dec/2014

Position as on 6.30 Hrs of 10/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Babaleshwar	05/12/2014	06.20		Continued.	To control A'bad ICT loading.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 10/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	157
Unit 7	210	151
	620	308
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	350
Unit 5	500	325
	1420	675
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	145
Unit 6	250	215
Unit 7	250	200
	1130	560
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1550
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	180
Unit 4	210	171
Unit 5	500	436
	1340	1111
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	320
	852	320
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	19
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	0
ELDARY	23	10
SMLHY PTN	12	14
GHATGHAR	250	0
	611	261
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	1143
WARDHA	405	115
Adani	2640	1851
Other CPPs	300	745
	4545	3854
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	5771
	3455	5771