



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

State Load Dispatch Center, Airoli

Daily system Report

for

08/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 08/Dec/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.318	977.967	1) Gujrat	4.001	5.558
2) Hydro	14.912	67.473	2) Madhya Pradesh	10.222	85.746
3) Gas	8.912	62.815	3) Chattisgarh	5.320	49.690
Total MSGENCO	148.142	1108.255	4) Maharashtra Net	94.826	714.452
B) 1) JSW JAIGAD	21.398	178.276	(Incl. 765kV Solapur-Raichur)	-0.339	-30.500
2) WPCL	2.788	20.999	5) Goa	-6.050	-47.913
3) ADANI	45.850	432.200	6) TAPS 1&2 Injection	3.644	28.926
4) Other CPP / IPP	23.454	184.785	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.333	57.374	8) Pench (Excess)	-0.042	-0.999
6) PENCH (MS)	0.042	0.999			
7) SOLAR	1.090	8.449	# Total Cent. Sector	111.921	835.460
C) 1) TPCL Thermal	19.951	153.596	F) Other Exchanges		
2) TPCL Hydro	4.705	26.335	1) With TPCL (Excess)	-22.797	-158.189
TOTAL TPCL	24.656	179.931	G) Bilateral Power *		
3) REL Thermal	6.051	89.303	1) MSEDCL Bilateral	24.489	197.858
D) STATE			Include PX	-0.867	7.572
1) Thermal (A1+C1+C3)	150.320	1220.866	2) MUMBAI Bilateral	16.106	145.974
2) Hydro (A2+B6+C2)	19.659	94.807	Include PX	0.121	3.488
3) Gas (A3)	8.912	62.815	3) MUMBAI Schedule	18.686	148.695
4) Wind (B5)	3.333	57.374	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	93.490	816.260	1) MSEDCL	335.221	2668.608
6) SOLAR (B7)	1.090	8.449	2) TPCL	32.281	259.147
TOTAL STATE	276.804	2260.571	3) REL	21.225	167.547
			TOTAL STATE	388.727	3095.302

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 13 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5741	5739	4813
MSGENCO Hydro	849	810	180
MSGENCO Gas	441	437	320
MSGENCO Total Generation	7031	6986	5313
Central Sector Receipt	5408	5896	3298
WIND	14	13	322
CPP / IPP	4656	4075	3518
SOLAR	162	110	0
Exchange with Mumbai	-1133	-1179	-607
MSEDCL DEMAND MET	16138	15901	11844
Load Shedding	137	64	53
MSEDCL DEMAND	16275	15965	11897
TPCL GENERATION	1355	1238	667
R-INFRA GENERATION	261	262	259
TPCL+R-INFRA DEMAND	2749	2679	1533
STATE DEMAND MET	18887	18580	13377
STATE DEMAND	19024	18644	13430
Frequency (Hz)	49.96	49.97	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.33 Hz at 24.00 Hrs	49.68 Hz at 17.41 Hrs	49.99	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 08/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	3.76	25.84	165	146	165
Unit 7	3.87	31.31	175	150	165
Total	7.63	57.16			330
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.43	19.59	160	135	140
Unit 4	9.08	76.11	510	350	400
Unit 5	8.50	70.30	500	320	325
Total	21.02	166.00			865
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.46	28.03	158	140	143
Unit 6	4.99	39.17	250	154	197
Unit 7	5.26	39.28	250	199	196
Total	13.72	106.48			536
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.29	26.94	144	131	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.54	34.63	200	166	200
Unit 5	9.46	68.99	450	365	370
Unit 6	8.95	67.04	405	345	370
Unit 7	9.06	69.14	416	315	370
Total	35.30	266.73			1460
Paras					
Unit 3	5.12	40.64	234	196	220
Unit 4	4.82	39.08	211	194	220
Total	9.94	79.71			440
Khaparkheda					
Unit 1	4.20	30.69	190	155	180
Unit 2	4.10	29.54	190	155	180
Unit 3	4.47	32.98	198	178	180
Unit 4	4.46	32.76	208	180	185
Unit 5	10.71	79.36	500	380	420
Total	27.93	205.33			1145
Nasik					
Unit 3	4.42	34.33	200	160	190
Unit 4	0.00	28.55	0	0	0
Unit 5	4.35	33.68	191	167	190
Total	8.78	96.56			380
Uran					
All Units	8.91	62.82	447	280	460
Total	8.91	62.82			460
PENCH (MS)					
Pench (MS)	0.04	1.00	38	0	
Total	0.04	1.00			
Koyna					
Stage 1-2	3.80	20.82	410	40	600
Stage 4	2.74	6.38	537	0	250
Stage 3	1.70	5.95	160	0	240
Kovna 12&4 Total	6.53	27.21			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	8.23	33.16			1090
Hydro					
KDPH	0.45	3.63	19	18	19
VTRNA	0.90	8.52	61	0	61
TILLARI	0.36	2.71	63	0	62
BHTGR/VEER	0.03	0.51	2	1	3
BHIRA T.R.	0.28	1.41	80	0	80
RNGR+BHTSA	0.39	1.16	17	16	0
BHANDARDRA	0.70	1.47	29	28	0
ELDARY	0.34	0.92	15	13	14
SMLHY PTN	0.98	8.04	48	37	10
GHATGHAR	2.26	5.95	250	0	0
Total	6.68	34.32			249
Wind					
MalharPeth	0.10	1.88			
Vankuswadi	0.18	4.04			
ATIT	0.02	0.45			
Kale	0.07	1.34			
Satara	1.92	25.47			
Shirala	0.06	2.08			
K Mahankal	0.01	7.08			
Supa	0.02	0.56			
Vita	0.27	4.91			
Dondaicha	0.43	4.13			
Sakri	0.03	0.49			
Nandurbar	0.16	1.70			
Khandke	0.04	1.57			
Khaparale	0.04	1.67			
Total	3.33	57.37			
CPP					
JSW JAIGAD	21.40	178.28	1136	751	1044
WARDHA	2.79	21.00	121	109	118
Adani	45.85	432.20	2600	1710	2446
Other CPPs	23.45	184.78			745
Total	93.49	816.26			4353
SOLAR					
Total	1.09	8.45			
Total	1.09	8.45			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.72	79.31	497	324	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.29	18.52	115	72	120
Trombay 7B	1.45	11.67	67	53	60
Trombay 8	5.49	44.10	251	98	250
TATA Hydro	4.70	26.34	459	0	447
Total	24.66	179.93			1377
REL					
1&2	6.05	89.30	263	195	250
Total	6.05	89.30			250
Cent Sect					
Share					5525
Total					5525
MS PG CL	Thermal	124.32	977.97		5156
	Thml+Gas	133.23	1040.78		5616
	Hydro	14.91	67.47		1339
	Total	148.14	1108.26		6955
State Total		276.80	2260.57		18460

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 08/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	4881	249	381	5511	187	3454	0	3367	3877	-582	-889	12142	82	12224	1766	13990	50.04
2	4841	185	381	5407	227	3501	0	3662	3751	-556	-745	12141	53	12194	1617	13811	50.09
3	4813	180	320	5313	322	3518	0	3652	3298	-512	-607	11844	53	11897	1533	13430	50.03
4	4827	156	321	5304	313	3462	0	3419	3453	-477	-611	11921	53	11974	1474	13448	50.01
5	4842	161	322	5325	349	3511	0	3513	3759	-468	-573	12371	54	12425	1483	13908	50.03
6	4921	312	323	5556	334	3571	0	4195	4365	-545	-648	13178	63	13241	1598	14839	49.93
7	5086	403	327	5816	339	3636	8	4856	4921	-584	-694	14026	80	14106	1764	15870	49.93
8	5106	889	325	6320	214	3887	44	4960	5276	-528	-619	15122	80	15202	1901	17103	49.88
9	5161	962	346	6469	158	4349	104	4997	5176	-585	-808	15448	76	15524	2154	17678	50.03
10	5160	1071	369	6600	110	4410	124	5203	5247	-665	-891	15600	82	15682	2461	18143	49.96
11	5181	1042	431	6654	45	4503	133	5473	5657	-1000	-1054	15938	96	16034	2697	18731	49.95
12	5319	1083	447	6849	29	4147	159	5584	5664	-1076	-1193	15655	105	15760	2786	18546	49.96
13	5741	849	441	7031	14	4656	162	5325	5408	-1022	-1133	16138	137	16275	2749	19024	49.96
14	5769	637	437	6843	13	4411	156	5279	5329	-872	-1126	15626	72	15698	2650	18348	50.01
15	5739	810	437	6986	13	4075	110	5354	5896	-887	-1179	15901	64	15965	2679	18644	49.97
16	5361	1085	446	6892	13	3836	65	5556	5905	-884	-1146	15565	58	15623	2713	18336	49.98
17	5228	1323	440	6991	16	3795	24	5188	5417	-913	-1129	15114	59	15173	2695	17868	49.92
18	5227	804	435	6466	43	3862	1	4712	4475	-997	-1192	13693	64	13757	2653	16410	49.86
19	5244	796	435	6475	97	3860	0	4984	4743	-919	-1189	13988	65	14053	2709	16762	49.96
20	5185	819	280	6284	111	3864	0	4710	4534	-880	-1178	13615	71	13686	2607	16293	49.98
21	5218	471	314	6003	79	3912	0	4260	4423	-943	-1176	13241	67	13308	2439	15747	50.02
22	5214	258	318	5790	88	3873	0	3914	3661	-1057	-1060	12352	65	12417	2279	14696	50.06
23	5166	208	318	5692	108	3733	0	3746	3758	-957	-993	12298	65	12363	2121	14484	49.99
24	5089	159	318	5566	111	3664	0	3792	3929	-777	-964	12306	65	12371	1976	14347	50.10
MUs	124.32	14.91	8.91	148.14	3.33	93.49	1.09	109.70	111.92	-18.69	-22.80	335.22	1.73	336.95	53.50	390.46	49.99

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 08/Dec/2014

Position as on 6.30 Hrs of 09/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	00.04	08/12/2014	01.56	over speed protection	
REL 2	250	08/12/2014	02.43	08/12/2014	04.31	over speed protection	
REL 2	250	08/12/2014	05.21		Continued.	over speed protection	
Koyna Unit 8	80	08/12/2014	07.05	08/12/2014	17.35	Preventire maintance	
CPP JSW (J) U2	300	08/12/2014	12.41		Continued.	BTL	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 08/Dec/2014

Position as on 6.30 Hrs of 09/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Tata Trombay 8	250	09/12/2014	00.00		Continued.	superheater drain line leak	
Uran Unit 5	108	09/12/2014	01.50		Continued.	Gas shortage	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Dec/2014

Position as on 6.30 Hrs of 09/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
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		
Kolhapur - Mapusa - I	07/12/2014	14.16	08/12/2014	07.40	over voltage
Dhule-Sar'Sarovar - I	07/12/2014	17.32	08/12/2014	07.37	over voltage
Dhule-Sar'Sarovar - II	08/12/2014	21.57	09/12/2014	06.36	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.
Koradi II-Main Bus II	08/12/2014	09.31	08/12/2014	19.20	connecting jumpers of high level stringing over bus-2 on isolator for dia-3
400/220kv 500 MVA ICT-3 @ Talandage	08/12/2014	15.44	08/12/2014	20.16	maintance work
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.
Nivali-N'koyna	08/12/2014	09.47	08/12/2014	16.10	R.M.Work
220/132 KV 200 MVA ICT - II @ Theur	08/12/2014	10.00	08/12/2014	13.42	y-ph hv bushing oil leakage Attending
BBLSR-Waluj	08/12/2014	11.48	08/12/2014	15.21	Maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	07/12/2014	16.40	08/12/2014	09.03	over voltage
Khadka - Aurangabad	07/12/2014	17.05		Continued.	over voltage
Karad-Jaigad II	07/12/2014	17.37	08/12/2014	09.20	over voltage
Lonikand- Koyna Stage IV	07/12/2014	20.40	08/12/2014	06.27	over voltage
Karad - Kolhapur - II	08/12/2014	16.20		Continued.	over voltage
Karad-Jaigad I	08/12/2014	16.38		Continued.	over voltage
Khadka - Aurangabad	08/12/2014	19.09		Continued.	over voltage
Lonikand- Koyna Stage IV	08/12/2014	21.19	09/12/2014	06.18	over voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Aurangabad - Babaleshwar	05/12/2014	06.20		Continued.	To control A'bad ICT loading.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 08/Dec/2014

Position as on 6.30 Hrs of 09/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
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 09/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	150
Unit 7	210	160
	620	310
Bhusawal		
Unit 2	210	0
Unit 3	210	145
Unit 4	500	360
Unit 5	500	325
	1420	830
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	144
Unit 6	250	215
Unit 7	250	215
	1130	574
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	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	200
Unit 4	210	190
Unit 5	500	420
	1340	1170
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	190
	630	380
Uran		
All Units	852	460
	852	460
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	14
SMLHY PTN	12	10
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	918
WARDHA	405	115
Adani	2640	1851
Other CPPs	300	745
	4545	3629
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	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	6239
	3455	6239

	21940	18270
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