



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

State Load Dispatch Center, Airoli

Daily system Report

for

03/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 03/Dec/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.967	373.093	1) Gujrat	2.203	0.796
2) Hydro	9.384	23.977	2) Madhya Pradesh	8.642	28.990
3) Gas	7.344	22.626	3) Chattisgarh	6.400	18.860
Total MSGENCO	142.695	419.696	4) Maharashtra Net	89.666	257.480
B) 1) JSW JAIGAD	22.403	67.034	(Incl. 765kV Solapur-Raichur)	-8.830	-22.405
2) WPCL	2.778	8.233	5) Goa	-6.333	-18.332
3) ADANI	57.930	168.120	6) TAPS 1&2 Injection	3.596	10.788
4) Other CPP / IPP	23.507	69.557	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.855	21.832	8) Pench (Excess)	-0.027	-0.825
6) PENCH (MS)	0.027	0.825			
7) SOLAR	1.112	3.084	# Total Cent. Sector	104.147	297.757
C) 1) TPCL Thermal	19.445	58.433	F) Other Exchanges		
2) TPCL Hydro	3.446	10.960	1) With TPCL (Excess)	-20.822	-58.891
TOTAL TPCL	22.891	69.393	G) Bilateral Power *		
3) REL Thermal	11.992	35.967	1) MSEDCL Bilateral	22.931	68.940
D) STATE			Include PX	0.932	0.754
1) Thermal (A1+C1+C3)	157.404	467.493	2) MUMBAI Bilateral	19.813	59.585
2) Hydro (A2+B6+C2)	12.857	35.762	Include PX	-0.053	1.241
3) Gas (A3)	7.344	22.626	3) MUMBAI Schedule	19.813	59.585
4) Wind (B5)	2.855	21.832	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	106.618	312.944	1) MSEDCL	336.632	997.247
6) SOLAR (B7)	1.112	3.084	2) TPCL	33.934	99.597
TOTAL STATE	288.190	863.741	3) REL	21.772	63.918
			TOTAL STATE	392.338	1160.762

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5368	5445	5014
MSGENCO Hydro	963	471	113
MSGENCO Gas	295	295	317
MSGENCO Total Generation	6626	6211	5444
Central Sector Receipt	5495	5901	3097
WIND	74	36	177
CPP / IPP	4639	4542	4212
SOLAR	158	96	0
Exchange with Mumbai	-1131	-1062	-458
MSEDCL DEMAND MET	15884	15724	12472
Load Shedding	68	56	53
MSEDCL DEMAND	15952	15780	12525
TPCL GENERATION	1197	1189	655
R-INFRA GENERATION	520	521	453
TPCL+R-INFRA DEMAND	2848	2772	1566
STATE DEMAND MET	18732	18496	14038
STATE DEMAND	18800	18552	14091
Frequency (Hz)	49.85	49.89	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 04.02 Hrs	49.54 Hz at 10.44 Hrs	49.94	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 03/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	3.47	10.80	160	115	150
Unit 7	3.87	11.67	181	150	160
Total	7.34	22.47			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.39	10.10	160	120	140
Unit 4	9.30	29.26	505	350	365
Unit 5	9.29	28.10	500	360	370
Total	21.98	67.46			875
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.46	10.61	157	135	155
Unit 6	4.74	14.34	245	183	185
Unit 7	4.66	14.32	250	174	180
Total	12.85	39.26			520
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.59	10.62	155	130	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.50	12.81	199	170	190
Unit 5	9.22	27.26	450	358	370
Unit 6	8.78	25.72	400	344	370
Unit 7	8.79	25.44	441	302	370
Total	34.87	101.84			1450
Paras					
Unit 3	5.00	15.31	246	184	200
Unit 4	5.05	14.91	240	188	200
Total	10.05	30.22			400
Khaparkheda					
Unit 1	3.78	10.82	180	135	180
Unit 2	3.89	10.58	185	140	180
Unit 3	4.12	11.56	191	158	170
Unit 4	4.21	11.63	194	154	185
Unit 5	10.08	29.28	500	365	420
Total	26.06	73.86			1135
Nasik					
Unit 3	4.42	12.96	200	165	190
Unit 4	4.14	12.48	180	162	190
Unit 5	4.24	12.54	189	164	190
Total	12.81	37.97			570
Uran					
All Units	7.34	22.63	320	291	330
Total	7.34	22.63			330
PENCH (MS)					
Pench (MS)	0.03	0.82	23	0	0
Total	0.03	0.82			0
Koyna					
Stage 1-2	3.69	9.26	420	40	600
Stage 4	1.11	2.42	260	0	250
Stage 3	1.10	2.42	160	0	240
Kovna 12&4 Total	4.80	11.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	5.90	14.10			1090
Hydro					
KDPH	0.46	1.37	20	19	18
VTRNA	1.02	3.35	61	0	61
TILLARI	0.25	0.84	62	0	64
BHTGR/VEER	0.07	0.23	3	2	0
BHIRA T.R.	0.18	0.41	80	0	80
RNGR+BHTSA	0.39	0.39	17	16	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.94	3.12	48	36	14
GHATGHAR	0.16	0.16	82	0	0
Total	3.48	9.88			237
Wind					
MalharPeth	0.09	0.76			
Vankuswadi	0.17	1.57			
ATIT	0.02	0.16			
Kale	0.06	0.54			
Satara	1.56	5.92			
Shirala	0.07	0.86			
K Mahankal	0.00	7.03			
Supa	0.03	0.19			
Vita	0.36	2.34			
Dondaicha	0.21	0.62			
Sakri	0.01	0.07			
Nandurbar	0.11	0.43			
Khandke	0.09	0.74			
Khaparale	0.09	0.60			
Total	2.86	21.83			
CPP					
JSW JAIGAD	22.40	67.03	1075	867	991
WARDHA	2.78	8.23	121	104	115
Adani	57.93	168.12	2490	2360	2446
Other CPPs	23.51	69.56			745
Total	106.62	312.94			4297
SOLAR					
Total	1.11	3.08			
Total	1.11	3.08			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.11	30.18	493	316	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.32	7.06	105	77	120
Trombay 7B	1.47	4.43	65	55	60
Trombay 8	5.56	16.77	251	200	250
TATA Hydro	3.45	10.96	343	0	447
Total	22.89	69.39			1377
REL					
1&2	11.99	35.97	522	452	500
Total	11.99	35.97			500
Cent Sect					
Share					5270
Total					5270
MS PG CL	Thermal	125.97	373.09		5260
	Thml+Gas	133.31	395.72		5590
	Hydro	9.38	23.98		1327
	Total	142.70	419.70		6917
State Total		288.19	863.74		18361

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 03/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	5125	174	317	5616	134	4252	0	3142	3196	-623	-697	12501	81	12582	1870	14452	49.97
2	5015	145	317	5477	175	4226	0	3197	3262	-623	-604	12536	53	12589	1707	14296	49.97
3	5028	113	317	5458	158	4226	0	3365	3349	-623	-523	12668	53	12721	1627	14348	49.98
4	5014	113	317	5444	177	4212	0	3270	3097	-623	-458	12472	53	12525	1566	14091	50.00
5	5070	118	320	5508	194	4229	0	3367	3318	-623	-440	12809	53	12862	1556	14418	50.02
6	5004	153	319	5476	214	4284	0	3854	4110	-608	-519	13565	68	13633	1674	15307	49.96
7	5184	294	317	5795	259	4343	1	4576	4393	-604	-452	14339	80	14419	1828	16247	49.88
8	5101	555	317	5973	245	4468	13	4867	4986	-595	-477	15208	83	15291	1973	17264	49.87
9	5106	710	311	6127	156	4486	67	4994	5402	-720	-663	15575	78	15653	2239	17892	49.94
10	5162	627	303	6092	109	4470	118	5406	5638	-823	-900	15527	69	15596	2577	18173	49.86
11	5227	723	293	6243	95	4597	148	5499	5525	-1035	-1054	15555	64	15619	2781	18400	49.82
12	5368	963	295	6626	74	4639	158	5457	5495	-1101	-1131	15884	68	15952	2848	18800	49.85
13	5916	770	294	6980	37	4590	159	5075	4773	-1080	-1143	15399	121	15520	2834	18354	49.88
14	5992	384	291	6667	31	4557	166	5108	4934	-1011	-1067	15288	67	15355	2721	18076	50.01
15	5961	350	295	6606	35	4540	135	5211	5314	-1012	-1106	15524	59	15583	2770	18353	49.91
16	5445	471	295	6211	36	4542	96	5508	5901	-1010	-1062	15724	56	15780	2772	18552	49.89
17	5171	631	295	6097	53	4520	46	5019	5039	-1002	-1023	14732	59	14791	2791	17582	49.87
18	5188	399	297	5884	72	4509	5	4535	3988	-898	-1078	13380	63	13443	2750	16193	49.92
19	5260	477	295	6032	105	4613	0	4527	4644	-1091	-1144	14250	59	14309	2825	17134	49.91
20	5233	295	302	5830	130	4721	0	4559	4008	-961	-1069	13620	62	13682	2722	16404	49.96
21	5196	188	306	5690	101	4544	0	4063	4107	-820	-1097	13345	60	13405	2564	15969	49.98
22	5135	430	311	5876	103	4373	0	3396	3377	-803	-1081	12648	61	12709	2390	15099	50.05
23	5047	184	310	5541	87	4370	0	3749	2959	-788	-1085	11872	61	11933	2232	14165	49.98
24	5019	117	310	5446	75	4307	0	3473	3331	-733	-949	12210	61	12271	2088	14359	50.01
MUs	125.97	9.38	7.34	142.70	2.86	106.62	1.11	105.22	104.15	-19.81	-20.82	336.63	1.59	338.22	55.70	393.93	49.94

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 03/Dec/2014

Position as on 6.30 Hrs of 04/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.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Dec/2014

Position as on 6.30 Hrs of 04/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
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 - I	02/12/2014	17.46	03/12/2014	06.50	Over Voltage.
Kolhapur - Mapusa - II	02/12/2014	17.46	03/12/2014	07.14	Over Voltage.
Kolhapur - Mapusa - I	03/12/2014	17.03	04/12/2014	06.58	Over Voltage.
Dhule-Sar'Sarovar - I	03/12/2014	20.18	04/12/2014	05.13	Over Voltage
Kolhapur-Solapur(PGCIL)-I	03/12/2014	22.04	04/12/2014	06.53	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		Continued.	Over Voltage.
Aurangabad (PG) - 400KV Akola - I	04/12/2014	07.51	04/12/2014	09.22	Buchholz Indication received on line Reactor at Akola end
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.
Khadka - Deepnagar - I	03/12/2014	08.55	03/12/2014	12.12	For fixing of Nut bolts on R Ph Jumper.
400/220 KV 315MVA ICT-II @ Karad	03/12/2014	16.12	03/12/2014	19.35	For Hot Spot Attending Work.
Lonikand - Parli - I	04/12/2014	11.58	04/12/2014	14.52	Repl.of LMU at Parli end
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.
Khaparkheda - Suryalaxmi	03/12/2014	08.50	03/12/2014	11.40	Attending Hot Spot At B Ph Ct And WT.
Kolhapur-Mudsingi -I	03/12/2014	10.22	03/12/2014	12.42	Q.M.Work.
220/132 KV 200 MVA ICT - I @ Beed	03/12/2014	11.54	03/12/2014	14.20	Q.M.work.
Khaparkheda-Ambazari - I	03/12/2014	12.13	03/12/2014	15.43	Attending Hot Spot At B Ph Jumper Cone.
Bhigwan-Kurkum	04/12/2014	07.00	04/12/2014	19.30	Erection of Two Inline Tower
Kalyani-Baramati Agro	04/12/2014	07.55	04/12/2014	20.00	Erection of Two Inline Tower
Jejuri-Phursungi - I	04/12/2014	09.07	04/12/2014	16.31	Replacement of Insulator
Khaparkheda-Kawlewada-I	04/12/2014	09.07	04/12/2014	17.35	Replacement of E/W
Jejuri - Phursungi - II	04/12/2014	09.11	04/12/2014	18.03	Repl.of Cut Point String
Bale-Osmanbad	04/12/2014	12.30	04/12/2014	18.10	Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	01/12/2014	16.40	03/12/2014	07.43	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 03/Dec/2014

Position as on 6.30 Hrs of 04/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	02/12/2014	16.41	03/12/2014	07.39	Over Voltage.
Bhusawal- Aurangabad	02/12/2014	17.38	03/12/2014	06.51	Over Voltage.
Lonikand- Koyna Stage IV	02/12/2014	21.21	03/12/2014	06.46	Over Voltage.
Karad - Kolhapur - II	03/12/2014	16.45	04/12/2014	08.19	Over voltage.
Bhusawal- Aurangabad	03/12/2014	17.07	04/12/2014	06.46	Over Voltage.
Karad-Jaigad II	04/12/2014	01.03	04/12/2014	08.48	Over Voltage.
Lonikand- Koyna Stage IV	04/12/2014	02.41	04/12/2014	06.42	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Amalner-Deepnagar	04/12/2014	00.36	04/12/2014	11.48	Distance Protection
Chalisgaon - Malegaon	04/12/2014	13.19	04/12/2014	16.22	R Phase Wave Trap Jumpper open
Dhule - Malegaon	04/12/2014	13.19	04/12/2014	13.50	Over Load
Malegaon - Satana - II	04/12/2014	13.56	04/12/2014	14.43	Distance Protection
null					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Parli (Ext)-Beed I	03/12/2014	09.16	03/12/2014	11.53	Q.M.Work.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 04/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	145
Unit 7	210	170
	620	315
Bhusawal		
Unit 2	210	0
Unit 3	210	145
Unit 4	500	356
Unit 5	500	352
	1420	853
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	145
Unit 6	250	185
Unit 7	250	185
	1130	515
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	190
Unit 5	500	370
Unit 6	500	370
Unit 7	500	370
	2340	1450
Paras		
Unit 3	250	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	170
Unit 4	210	185
Unit 5	500	420
	1340	1135
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	330
	852	330
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	20
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	253
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	1110
WARDHA	405	115
Adani	2640	2446
Other CPPs	300	767
	4545	4438
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	500
	500	500
Cent Sect		
Share	3455	5537
	3455	5537