



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

State Load Dispatch Center, Airoli

Daily system Report

for

01/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 01/Dec/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.281	123.281	1) Gujrat	0.896	0.896
2) Hydro	5.839	5.839	2) Madhya Pradesh	10.923	10.923
3) Gas	7.345	7.345	3) Chattisgarh	6.070	6.070
Total MSGENCO	136.465	136.465	4) Maharashtra Net	82.626	82.626
B) 1) JSW JAIGAD	21.850	21.850	(Incl. 765kV Solapur-Raichur)	-6.540	-6.540
2) WPCL	2.694	2.694	5) Goa	-5.763	-5.763
3) ADANI	54.020	54.020	6) TAPS 1&2 Injection	3.600	3.600
4) Other CPP / IPP	22.083	22.083	7) RGPPL Injection	0.000	0.000
5) Wind Generation	11.742	11.742	8) Pench (Excess)	-0.557	-0.557
6) PENCH (MS)	0.557	0.557	# Total Cent. Sector	97.795	97.795
7) SOLAR	0.826	0.826	F) Other Exchanges		
C) 1) TPCL Thermal	18.627	18.627	1) With TPCL (Excess)	-20.173	-20.173
2) TPCL Hydro	2.807	2.807	G) Bilateral Power *		
TOTAL TPCL	21.434	21.434	1) MSEDCL Bilateral	24.969	24.969
3) REL Thermal	11.891	11.891	Include PX	2.987	2.987
D) STATE			2) MUMBAI Bilateral	20.949	20.949
1) Thermal (A1+C1+C3)	153.799	153.799	Include PX	0.664	0.664
2) Hydro (A2+B6+C2)	9.203	9.203	3) MUMBAI Schedule	20.949	20.949
3) Gas (A3)	7.345	7.345	H) ENERGY CATERED (MUs)		
4) Wind (B5)	11.742	11.742	1) MSEDCL	327.859	327.859
5) CPP/IPP (B1+B2+B3+B4)	100.647	100.647	2) TPCL	32.515	32.515
6) SOLAR (B7)	0.826	0.826	3) REL	20.979	20.979
TOTAL STATE	283.562	283.562	TOTAL STATE	381.353	381.353

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	5082	5377	4963
MSGENCO Hydro	171	259	116
MSGENCO Gas	286	295	317
MSGENCO Total Generation	5539	5931	5396
Central Sector Receipt	5854	5235	2222
WIND	442	304	936
CPP / IPP	4562	4678	3695
SOLAR	148	103	0
Exchange with Mumbai	-1124	-1037	-459
MSEDCL DEMAND MET	15445	15265	11790
Load Shedding	141	71	52
MSEDCL DEMAND	15586	15336	11842
TPCL GENERATION	1087	1094	664
R-INFRA GENERATION	520	520	451
TPCL+R-INFRA DEMAND	2731	2651	1574
STATE DEMAND MET	18176	17916	13364
STATE DEMAND	18317	17987	13416
Frequency (Hz)	50.01	50.01	50.15

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 00.00 Hrs	49.76 Hz at 07.10 Hrs	50.02	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 01/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	3.62	3.62	160	145	140
Unit 7	3.88	3.88	173	150	160
Total	7.51	7.51			300
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.39	3.39	160	130	135
Unit 4	9.50	9.50	460	355	365
Unit 5	9.14	9.14	410	350	350
Total	22.02	22.02			850
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.62	3.62	155	146	153
Unit 6	4.92	4.92	220	183	180
Unit 7	4.88	4.88	250	190	200
Total	13.42	13.42			533
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.42	3.42	155	128	140
Unit 3	0.00	0.00	0	0	0
Unit 4	3.99	3.99	183	159	160
Unit 5	8.84	8.84	380	361	360
Unit 6	8.40	8.40	364	335	360
Unit 7	8.65	8.65	377	345	360
Total	33.30	33.30			1380
Paras					
Unit 3	5.35	5.35	248	202	200
Unit 4	5.15	5.15	234	200	200
Total	10.50	10.50			400
Khaparkheda					
Unit 1	3.59	3.59	180	135	180
Unit 2	3.44	3.44	165	125	180
Unit 3	3.86	3.86	174	145	200
Unit 4	3.81	3.81	178	142	185
Unit 5	9.39	9.39	455	360	425
Total	24.09	24.09			1170
Nasik					
Unit 3	4.15	4.15	200	160	190
Unit 4	4.18	4.18	181	170	190
Unit 5	4.10	4.10	189	166	190
Total	12.44	12.44			570
Uran					
All Units	7.34	7.34	320	286	330
Total	7.34	7.34			330
PENCH (MS)					
Pench (MS)	0.56	0.56	51	0	
Total	0.56	0.56			
Koyna					
Stage 1-2	2.12	2.12	335	40	600
Stage 4	0.09	0.09	77	0	250
Stage 3	0.22	0.22	76	0	240
Kovna 12&4 Total	2.21	2.21			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.43	2.43			1090
Hydro					
KDPH	0.45	0.45	19	18	18
VTRNA	1.16	1.16	61	0	61
TILLARI	0.36	0.36	62	0	64
BHTGR/VEER	0.10	0.10	4	4	3
BHIRA T.R.	0.12	0.12	80	0	80
RNGR+BHTSA	0.00	0.00	0	0	0
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	1.22	1.22	59	48	12
GHATGHAR	0.00	0.00	0	0	0
Total	3.41	3.41			238
Wind					
MalharPeth	0.42	0.42			
Vankuswadi	0.84	0.84			
ATIT	0.09	0.09			
Kale	0.32	0.32			
Satara	0.28	0.28			
Shirala	0.50	0.50			
K Mahankal	7.01	7.01			
Supa	0.14	0.14			
Vita	1.32	1.32			
Dondaicha	0.00	0.00			
Sakri	0.00	0.00			
Nandurbar	0.20	0.20			
Khandke	0.35	0.35			
Khaparale	0.27	0.27			
Total	11.74	11.74			
CPP					
JSW JAIGAD	21.85	21.85	1087	786	1011
WARDHA	2.69	2.69	117	106	115
Adani	54.02	54.02	2490	1940	1728
Other CPPs	22.08	22.08			1017
Total	100.65	100.65			3871
SOLAR					
Total	0.83	0.83			
Total	0.83	0.83			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.59	9.59	494	314	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.12	2.12	115	57	120
Trombay 7B	1.39	1.39	67	47	60
Trombay 8	5.52	5.52	251	200	250
TATA Hydro	2.81	2.81	254	0	447
Total	21.43	21.43			1377
REL					
1&2	11.89	11.89	522	449	500
Total	11.89	11.89			500
Cent Sect					
Share					5386
Total					5386
MS PG CL	Thermal	123.28	123.28		5203
	Thml+Gas	130.63	130.63		5533
	Hydro	5.84	5.84		1328
	Total	136.46	136.46		6861
State Total		283.56	283.56		17995

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/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	5006	177	313	5496	917	3698	0	3154	2645	-636	-692	12064	81	12145	1803	13948	50.06
2	4980	171	315	5466	919	3684	0	2861	2349	-636	-538	11880	52	11932	1654	13586	50.05
3	4963	116	317	5396	936	3695	0	2903	2222	-636	-459	11790	52	11842	1574	13416	50.15
4	4982	111	317	5410	896	3686	0	2872	2378	-636	-414	11956	52	12008	1530	13538	50.19
5	4955	111	319	5385	857	3692	0	2820	2864	-636	-409	12389	52	12441	1527	13968	50.15
6	4956	111	320	5387	821	3656	0	4117	3602	-636	-492	12974	65	13039	1610	14649	50.06
7	4997	269	318	5584	733	3760	1	4489	5031	-625	-616	14520	77	14597	1744	16341	49.91
8	5219	304	310	5833	595	4002	14	4985	5158	-669	-545	15107	81	15188	1933	17121	49.90
9	5239	189	300	5728	491	4180	55	5084	5427	-802	-717	15214	87	15301	2155	17456	49.98
10	5301	248	300	5849	448	4368	70	5127	5233	-965	-923	15096	90	15186	2464	17650	49.96
11	5278	243	293	5814	661	4646	97	5262	5049	-1134	-1038	15280	79	15359	2680	18039	50.01
12	5078	241	294	5613	541	4592	139	5166	5344	-1174	-1078	15175	77	15252	2737	17989	50.01
13	5082	171	286	5539	442	4562	148	5146	5854	-1159	-1124	15445	141	15586	2731	18317	50.01
14	5123	176	287	5586	334	4531	88	5138	5459	-1093	-1036	15012	87	15099	2613	17712	50.09
15	5377	259	295	5931	304	4678	103	5159	5235	-1100	-1037	15265	71	15336	2651	17987	50.01
16	5368	215	295	5878	167	4604	67	5517	5140	-1098	-1086	14821	65	14886	2670	17556	49.97
17	5304	171	298	5773	149	4559	39	5045	4658	-1085	-1059	14170	68	14238	2665	16903	49.95
18	5326	177	307	5810	161	4500	5	4161	4167	-1016	-1061	13608	71	13679	2649	16328	50.01
19	5272	369	307	5948	211	4318	0	4301	4530	-1087	-1052	13975	67	14042	2646	16688	50.00
20	5109	620	308	6037	173	4323	0	4144	4092	-994	-995	13630	70	13700	2604	16304	49.99
21	5131	613	308	6052	202	4329	0	3610	3338	-904	-988	12933	65	12998	2439	15437	50.01
22	5238	428	310	5976	237	4362	0	3259	2491	-833	-1001	12065	62	12127	2276	14403	50.05
23	5044	172	314	5530	253	4173	0	3410	2759	-734	-956	11776	62	11838	2133	13971	49.98
24	4953	177	314	5444	294	4049	0	3348	2769	-665	-857	11713	62	11775	2010	13785	50.03
MUs	123.28	5.84	7.34	136.46	11.74	100.65	0.83	101.08	97.79	-20.95	-20.17	327.86	1.74	329.59	53.50	383.09	50.02

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 01/Dec/2014

Position as on 6.30 Hrs of 02/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	
Uran Unit B0	120	26/11/2014	00.25		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 01/Dec/2014

Position as on 6.30 Hrs of 02/Dec/2014

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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Talegaon PG- Aurangabad - I	29/11/2014	16.33		Continued.	over voltage
Kolhapur - Mapusa - II	30/11/2014	16.41	01/12/2014	09.31	Over Voltage.
Dhule-Sar'Sarovar - I	30/11/2014	20.35	01/12/2014	09.40	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	30/11/2014	22.06	01/12/2014	07.02	Over Voltage.
Kolhapur-Mapusa-II	01/12/2014	16.39		Continued.	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	01/12/2014	21.03	02/12/2014	06.36	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	26/11/2014	03.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Talangade-Chikodi	01/12/2014	15.27	02/12/2014	03.17	Distance Protection(Bus Bar operated at Chikodi)
Mudshingi -- Chikodi	01/12/2014	15.27	02/12/2014	07.46	Distance Protection(Bus Bar operated at Chikodi)
Nasik-Navsari-I	01/12/2014	22.08		Continued.	Distance Protection Y Ph Z-I.
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.
400/220KV 315 MVA ICT-II @ Talangade	01/12/2014	10.10	01/12/2014	18.30	To Attend Oil Leakage.
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.
Chikhali - Jalna - I	01/12/2014	09.33	01/12/2014	19.00	Line Maintenance Work.
Chikhali - Jalna - II	01/12/2014	09.33	01/12/2014	19.00	Line Maintenance Work.
Mudshingi-Karad - IV	01/12/2014	10.10	01/12/2014	13.38	Q.M.Work.
Hinganghat-TSS-I	01/12/2014	11.28	01/12/2014	14.56	Connecting 220KV CC Jumper.
Hinganghat-TSS-II	01/12/2014	15.20	01/12/2014	18.41	Replacement of 0.4 ACSR Damaged Conductor.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Ambazari-Amravati	01/12/2014	09.57	01/12/2014	13.15	To Attend Oil Leakage from R Ph CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	30/11/2014	16.23	01/12/2014	09.49	Over Voltage.
Karad-Jaigad I	30/11/2014	16.35	01/12/2014	11.12	Over Voltage.

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Dec/2014

Position as on 6.30 Hrs of 02/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand- Koyna Stage IV	30/11/2014	17.09	01/12/2014	06.45	Over Voltage.
Bhusawal- Aurangabad	30/11/2014	17.11	02/12/2014	06.36	Over Voltage.
Karad - Kolhapur - II	01/12/2014	16.12		Continued.	Over Voltage.
Karad-Jaigad I	01/12/2014	16.40		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	01/12/2014	21.11		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/132 KV 200 MVA ICT - II @ Theur	28/11/2014	15.44		Continued.	Y Phase Bushing Heavy Oil Leakage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT- III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/22KV 100MVA T/F-I at Kamba	21/11/2014	10.04		Continued.	Differential operated
Usmanabad --Bale	01/12/2014	14.35	01/12/2014	14.53	Breaker Tripped @ Bale End Only.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 02/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	140
Unit 4	500	440
Unit 5	500	400
	1420	980
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	150
Unit 6	250	190
Unit 7	250	190
	1130	530
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	64
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	
ELDARY	23	
SMLHY PTN	12	14
GHATGHAR	250	
	611	237
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	970
WARDHA	405	115
Adani	2640	2446
Other CPPs	300	745
	4545	4276
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	4587
	3455	4587