



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

State Load Dispatch Center, Airoli

Daily system Report

for

07/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 07/Dec/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	121.846	853.649	1) Gujrat	1.549	1.557
2) Hydro	7.859	52.561	2) Madhya Pradesh	11.089	75.524
3) Gas	8.583	53.903	3) Chattisgarh	5.590	44.370
Total MSGENCO	138.288	960.113	4) Maharashtra Net	88.796	619.626
B) 1) JSW JAIGAD	20.512	156.878	(Incl. 765kV Solapur-Raichur)	2.580	-30.161
2) WPCL	2.582	18.211	5) Goa	-5.303	-41.863
3) ADANI	50.480	386.350	6) TAPS 1&2 Injection	3.601	25.282
4) Other CPP / IPP	20.864	161.331	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.266	54.041	8) Pench (Excess)	-0.105	-0.957
6) PENCH (MS)	0.105	0.957	# Total Cent. Sector	105.217	723.539
7) SOLAR	0.885	7.359	F) Other Exchanges		
C) 1) TPCL Thermal	17.303	133.645	1) With TPCL (Excess)	-15.493	-135.392
2) TPCL Hydro	1.064	21.630	G) Bilateral Power *		
TOTAL TPCL	18.367	155.275	1) MSEDCL Bilateral	26.299	173.369
3) REL Thermal	11.549	83.252	Include PX	1.121	8.439
D) STATE			2) MUMBAI Bilateral	13.865	129.868
1) Thermal (A1+C1+C3)	150.698	1070.546	Include PX	-0.179	3.367
2) Hydro (A2+B6+C2)	9.028	75.148	3) MUMBAI Schedule	13.865	130.010
3) Gas (A3)	8.583	53.903	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.266	54.041	1) MSEDCL	329.706	2333.387
5) CPP/IPP (B1+B2+B3+B4)	94.438	722.770	2) TPCL	27.486	226.866
6) SOLAR (B7)	0.885	7.359	3) REL	17.930	146.322
TOTAL STATE	269.898	1983.767	TOTAL STATE	375.122	2706.575

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 2 Hrs
MSGENCO Thermal	5301	5126	5009
MSGENCO Hydro	656	266	147
MSGENCO Gas	414	412	322
MSGENCO Total Generation	6371	5804	5478
Central Sector Receipt	5524	5588	3276
WIND	119	14	647
CPP / IPP	4393	4296	3486
SOLAR	120	110	0
Exchange with Mumbai	-588	-471	-631
MSEDCL DEMAND MET	15949	15341	12256
Load Shedding	59	54	51
MSEDCL DEMAND	16008	15395	12307
TPCL GENERATION	943	946	659
R-INFRA GENERATION	520	522	453
TPCL+R-INFRA DEMAND	2051	1939	1743
STATE DEMAND MET	18000	17280	13999
STATE DEMAND	18059	17334	14050
Frequency (Hz)	49.99	50.02	50.09

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.39 Hz at 06.03 Hrs	49.75 Hz at 07.19 Hrs	50.01	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 07/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	3.57	22.09	166	133	141
Unit 7	3.55	27.44	165	125	151
Total	7.12	49.53			292
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.47	16.16	165	140	144
Unit 4	8.96	67.02	500	350	357
Unit 5	8.16	61.80	500	320	319
Total	20.58	144.98			820
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.50	24.57	158	140	150
Unit 6	4.92	34.18	250	197	190
Unit 7	4.76	34.02	232	186	190
Total	13.18	92.76			530
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.32	23.65	140	135	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.10	30.09	196	165	200
Unit 5	8.85	59.53	450	364	370
Unit 6	8.38	58.08	400	280	370
Unit 7	8.57	60.07	374	338	370
Total	33.20	231.42			1460
Paras					
Unit 3	4.93	35.52	250	193	220
Unit 4	4.81	34.25	216	180	220
Total	9.74	69.77			440
Khaparkheda					
Unit 1	3.98	26.50	180	145	162
Unit 2	3.70	25.44	170	130	162
Unit 3	4.37	28.51	188	163	171
Unit 4	4.34	28.30	185	176	166
Unit 5	9.80	68.65	500	380	398
Total	26.18	177.40			1059
Nasik					
Unit 3	4.04	29.90	175	145	190
Unit 4	3.69	28.55	180	0	190
Unit 5	4.10	29.33	177	160	190
Total	11.83	87.79			570
Uran					
All Units	8.58	53.90	415	259	330
Total	8.58	53.90			330
PENCH (MS)					
Pench (MS)	0.10	0.96	20	0	
Total	0.10	0.96			
Koyna					
Stage 1-2	1.76	17.03	340	40	600
Stage 4	0.13	3.65	133	0	250
Stage 3	0.52	4.25	160	0	240
Kovna 12&4 Total	1.89	20.68			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.41	24.92			1090
Hydro					
KDPH	0.45	3.18	19	18	20
VTRNA	1.07	7.62	61	0	61
TILLARI	0.38	2.35	65	0	62
BHTGR/VEER	0.08	0.48	4	3	3
BHIRA T.R.	0.16	1.13	80	0	80
RNGR+BHTSA	0.00	0.77	0	0	0
BHANDARDRA	0.78	0.78	33	32	0
ELDARY	0.33	0.58	14	13	15
SMLHY PTN	1.05	7.06	51	40	10
GHATGHAR	1.16	3.69	250	0	0
Total	5.45	27.64			251
Wind					
MalharPeth	0.22	1.78			
Vankuswadi	0.60	3.86			
ATIT	0.05	0.43			
Kale	0.12	1.27			
Satara	3.54	23.55			
Shirala	0.22	2.01			
K Mahankal	0.01	7.07			
Supa	0.06	0.53			
Vita	0.27	4.64			
Dondaicha	0.61	3.70			
Sakri	0.08	0.46			
Nandurbar	0.10	1.55			
Khandke	0.12	1.53			
Khaparale	0.26	1.64			
Total	6.27	54.04			
CPP					
JSW JAIGAD	20.51	156.88	1018	753	1135
WARDHA	2.58	18.21	114	66	110
Adani	50.48	386.35	2420	1700	2468
Other CPPs	20.86	161.33			745
Total	94.44	722.77			4458
SOLAR					
Total	0.88	7.36			
Total	0.88	7.36			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.73	68.59	491	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.01	16.23	115	66	120
Trombay 7B	1.36	10.22	65	51	60
Trombay 8	5.20	38.60	252	197	250
TATA Hydro	1.06	21.63	164	0	447
Total	18.37	155.28			1377
REL					
1&2	11.55	83.25	522	452	500
Total	11.55	83.25			500
Cent Sect					
Share					5388
Total					5388
MS PG CL	Thermal	121.85	853.65		5171
	Thml+Gas	130.43	907.55		5501
	Hydro	7.86	52.56		1341
	Total	138.29	960.11		6842
State Total		269.90	1983.77		18565

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 07/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	5035	148	325	5508	754	3518	0	3398	3424	-633	-772	12432	77	12509	1891	14400	50.06
2	5009	147	322	5478	647	3486	0	3356	3276	-609	-631	12256	51	12307	1743	14050	50.09
3	4990	149	388	5527	577	3428	0	3375	3407	-588	-536	12403	51	12454	1649	14103	50.04
4	4993	149	366	5508	553	3489	0	3376	3456	-560	-466	12540	51	12591	1580	14171	50.05
5	4935	148	364	5447	497	3650	0	3448	3376	-536	-456	12514	52	12566	1570	14136	50.02
6	4950	149	364	5463	468	3869	0	4016	3961	-563	-498	13276	63	13339	1618	14957	49.99
7	5056	182	396	5634	393	4016	0	4747	4160	-544	-496	13724	68	13792	1646	15438	50.08
8	5073	399	396	5868	366	3955	9	4882	5063	-547	-458	14803	68	14871	1664	16535	49.89
9	5014	897	415	6326	311	4154	39	4770	4859	-520	-435	15259	63	15322	1758	17080	49.91
10	5000	779	410	6189	245	4135	95	5217	5102	-470	-557	15229	57	15286	1900	17186	49.97
11	5046	842	415	6303	181	4151	126	5351	5368	-542	-627	15522	57	15579	2029	17608	49.95
12	5301	656	414	6371	119	4393	120	5365	5524	-561	-588	15949	59	16008	2051	18059	49.99
13	5797	419	410	6626	68	4433	140	5050	4954	-564	-636	15585	111	15696	2058	17754	49.96
14	5322	220	414	5956	35	4387	116	5096	5167	-562	-550	15111	60	15171	1979	17150	50.03
15	5126	266	412	5804	14	4296	110	5022	5588	-557	-471	15341	54	15395	1939	17334	50.02
16	5110	210	400	5720	24	4298	85	5247	5154	-546	-409	14872	52	14924	1938	16862	49.99
17	5077	215	259	5551	27	4300	39	4993	5125	-533	-549	14493	52	14545	1914	16459	49.98
18	5075	225	269	5569	62	4159	6	4584	4077	-602	-742	13131	57	13188	1909	15097	49.98
19	5057	442	279	5778	160	4070	0	4679	4755	-596	-932	13831	57	13888	2140	16028	50.01
20	5103	287	309	5699	232	4189	0	4607	4347	-613	-1007	13460	62	13522	2211	15733	50.01
21	5081	277	315	5673	164	3733	0	4180	4051	-614	-1051	12570	59	12629	2188	14817	50.06
22	5051	216	319	5586	108	3449	0	3817	3805	-713	-994	11954	56	12010	2124	14134	50.11
23	4812	221	317	5350	129	3436	0	3480	3548	-669	-877	11596	56	11652	2017	13669	50.04
24	4833	216	305	5354	132	3444	0	3633	3670	-626	-755	11855	56	11911	1893	13804	50.11
MUs	121.85	7.86	8.58	138.29	6.27	94.44	0.88	105.69	105.22	-13.87	-15.49	329.71	1.45	331.16	45.41	376.56	50.01

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 07/Dec/2014

Position as on 6.30 Hrs of 08/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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 07/Dec/2014

Position as on 6.30 Hrs of 08/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
Kalwa - Talegaon (PGCIL)	07/12/2014	10.18	07/12/2014	19.33	Replacement work
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	06/12/2014	18.18	07/12/2014	10.26	Over Voltage
Kolhapur - Mapusa - I	07/12/2014	14.16		Continued.	over voltage
Dhule-Sar'Sarovar - I	07/12/2014	17.32		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.
400/220KV,500MVA ICT-III At Kalwa.	07/12/2014	08.30	07/12/2014	09.55	check IR values of tertiary delta formation after silicon coating
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.
Kalwa-Mulund II	07/12/2014	09.19	07/12/2014	20.45	Replacement work
Bus Coupler at Aarey	07/12/2014	09.33	07/12/2014	16.20	A.M.work
Bus coupler at New Koyna	07/12/2014	11.44	07/12/2014	15.21	Testing work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bhusawal- Aurangabad	06/12/2014	17.07	07/12/2014	07.10	Over Voltage
Karad - Kolhapur - II	06/12/2014	20.27	07/12/2014	08.52	Over Voltage
Karad-Jaigad I	06/12/2014	20.29	07/12/2014	08.55	Over Voltage
Lonikand- Koyna Stage IV	06/12/2014	20.32	07/12/2014	07.08	Over Voltage
Karad - Kolhapur - I	07/12/2014	16.40		Continued.	over voltage
Khadka - Aurangabad	07/12/2014	17.05		Continued.	over voltage
Karad-Jaigad II	07/12/2014	17.37		Continued.	over voltage
Lonikand- Koyna Stage IV	07/12/2014	20.40	08/12/2014	06.27	over voltage
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 08/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	165
Unit 7	210	165
	620	330
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	400
Unit 5	500	325
	1420	865
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	143
Unit 6	250	197
Unit 7	250	196
	1130	536
Chandrapur		
Unit 1	210	0
Unit 2	210	150
Unit 3	210	0
Unit 4	210	200
Unit 5	500	370
Unit 6	500	370
Unit 7	500	370
	2340	1460
Paras		
Unit 3	250	220
Unit 4	250	220
	500	440
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	180
Unit 4	210	185
Unit 5	500	420
	1340	1145
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	62
BHTGR/VEER	21	3
BHIRA T.R.	80	80
RNGR+BHTSA	20	0
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	10
GHATGHAR	250	0
	611	249
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	1044
WARDHA	405	118
Adani	2640	2446
Other CPPs	300	745
	4545	4353
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	5525
	3455	5525

	21940	18460
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