



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

State Load Dispatch Center, Airoli

Daily system Report

for

06/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 06/Dec/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	123.259	731.803	1) Gujrat	-1.030	0.008
2) Hydro	5.717	44.702	2) Madhya Pradesh	11.096	64.435
3) Gas	7.936	45.320	3) Chattisgarh	6.230	38.780
Total MSGENCO	136.912	821.825	4) Maharashtra Net	89.018	530.830
B) 1) JSW JAIGAD	23.325	136.366	(Incl. 765kV Solapur-Raichur)	0.098	-32.741
2) WPCL	1.960	15.629	5) Goa	-6.041	-36.560
3) ADANI	54.430	335.870	6) TAPS 1&2 Injection	3.611	21.681
4) Other CPP / IPP	23.157	140.467	7) RGPPL Injection	0.000	0.000
5) Wind Generation	12.361	47.775	8) Pench (Excess)	0.000	-0.852
6) PENCH (MS)	0.000	0.852	# Total Cent. Sector	102.884	618.322
7) SOLAR	1.138	6.474	F) Other Exchanges		
C) 1) TPCL Thermal	18.974	116.342	1) With TPCL (Excess)	-18.794	-119.899
2) TPCL Hydro	3.039	20.566	G) Bilateral Power *		
TOTAL TPCL	22.013	136.908	1) MSEDCL Bilateral	26.524	147.070
3) REL Thermal	11.800	71.703	Include PX	2.720	7.318
D) STATE			2) MUMBAI Bilateral	18.432	116.003
1) Thermal (A1+C1+C3)	154.033	919.848	Include PX	0.086	3.546
2) Hydro (A2+B6+C2)	8.756	66.120	3) MUMBAI Schedule	18.574	116.145
3) Gas (A3)	7.936	45.320	H) ENERGY CATERED (MUs)		
4) Wind (B5)	12.361	47.775	1) MSEDCL	337.373	2003.681
5) CPP/IPP (B1+B2+B3+B4)	102.872	628.332	2) TPCL	31.660	199.380
6) SOLAR (B7)	1.138	6.474	3) REL	20.947	128.392
TOTAL STATE	287.096	1713.869	TOTAL STATE	389.980	2331.453

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 15 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5409	5742	4804
MSGENCO Hydro	554	174	100
MSGENCO Gas	294	310	297
MSGENCO Total Generation	6257	6226	5201
Central Sector Receipt	5066	4965	3141
WIND	443	278	687
CPP / IPP	4868	4740	3737
SOLAR	163	135	0
Exchange with Mumbai	-798	-798	-457
MSEDCL DEMAND MET	15999	15546	12309
Load Shedding	58	58	52
MSEDCL DEMAND	16057	15604	12361
TPCL GENERATION	1334	1183	677
R-INFRA GENERATION	519	521	455
TPCL+R-INFRA DEMAND	2651	2502	1589
STATE DEMAND MET	18650	18048	13898
STATE DEMAND	18708	18106	13950
Frequency (Hz)	50.00	49.98	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 12.00 Hrs	49.71 Hz at 18.12 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 06/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	3.78	18.52	170	130	155
Unit 7	4.09	23.89	185	150	155
Total	7.87	42.41			310
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	1.18	12.69	145	0	0
Unit 4	9.62	58.07	510	345	352
Unit 5	8.53	53.64	500	315	306
Total	19.33	124.40			658
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.50	21.07	155	137	141
Unit 6	5.05	29.26	244	201	180
Unit 7	5.03	29.25	250	191	180
Total	13.59	79.58			501
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.31	20.33	143	132	150
Unit 3	0.00	0.00	0	0	0
Unit 4	4.35	26.00	199	164	190
Unit 5	8.82	50.68	430	292	370
Unit 6	8.38	49.71	405	295	370
Unit 7	8.08	51.51	397	280	370
Total	32.95	198.22			1450
Paras					
Unit 3	5.24	30.59	250	186	200
Unit 4	4.90	29.44	230	167	200
Total	10.14	60.03			400
Khaparkheda					
Unit 1	4.16	22.52	200	145	180
Unit 2	3.78	21.74	175	140	180
Unit 3	4.57	24.14	212	161	170
Unit 4	4.48	23.97	210	160	170
Unit 5	9.60	58.85	470	325	420
Total	26.60	151.21			1120
Nasik					
Unit 3	4.37	25.86	205	165	190
Unit 4	4.14	24.86	181	164	190
Unit 5	4.28	25.23	194	162	190
Total	12.79	75.96			570
Uran					
All Units	7.94	45.32	427	275	330
Total	7.94	45.32			330
PENCH (MS)					
Pench (MS)	0.00	0.85	0	0	
Total	0.00	0.85			
Koyna					
Stage 1-2	1.19	15.28	205	40	600
Stage 4	0.00	3.51	0	0	250
Stage 3	0.19	3.73	120	0	240
Kovna 12&4 Total	1.19	18.79			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	1.38	22.52			1090
Hydro					
KDPH	0.45	2.73	19	18	20
VTRNA	1.07	6.54	61	0	61
TILLARI	0.37	1.97	63	0	62
BHTGR/VEER	0.06	0.40	3	2	2
BHIRA T.R.	0.18	0.97	80	0	80
RNGR+BHTSA	0.00	0.77	0	0	16
BHANDARDRA	0.00	0.00	0	0	0
ELDARY	0.25	0.25	14	0	0
SMLHY PTN	0.99	6.02	49	38	9
GHATGHAR	0.96	2.53	250	0	0
Total	4.34	22.18			250
Wind					
MalharPeth	0.43	1.56			
Vankuswadi	0.96	3.27			
ATIT	0.13	0.38			
Kale	0.32	1.15			
Satara	6.88	20.01			
Shirala	0.50	1.80			
K Mahankal	0.02	7.06			
Supa	0.14	0.47			
Vita	0.74	4.37			
Dondaicha	1.11	3.09			
Sakri	0.14	0.38			
Nandurbar	0.40	1.45			
Khandke	0.22	1.41			
Khaparale	0.37	1.37			
Total	12.36	47.78			
CPP					
JSW JAIGAD	23.32	136.37	1242	767	1135
WARDHA	1.96	15.63	114	0	110
Adani	54.43	335.87	2450	1840	2468
Other CPPs	23.16	140.47			745
Total	102.87	628.33			4458
SOLAR					
Total	1.14	6.47			
Total	1.14	6.47			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.69	59.86	494	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.35	14.21	115	64	120
Trombay 7B	1.46	8.87	68	49	60
Trombay 8	5.47	33.40	251	200	250
TATA Hydro	3.04	20.57	409	0	447
Total	22.01	136.91			1377
REL					
1&2	11.80	71.70	523	454	500
Total	11.80	71.70			500
Cent Sect					
Share					5604
Total					5604
MS PG CL	Thermal	123.26	731.80		5009
	Thml+Gas	131.20	777.12		5339
	Hydro	5.72	44.70		1340
	Total	136.91	821.82		6679
State Total		287.10	1713.87		18618

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 06/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	4721	129	296	5146	962	3767	0	3500	3252	-639	-773	12354	80	12434	1898	14332	50.06
2	4730	100	290	5120	908	3642	0	3314	3314	-602	-653	12331	52	12383	1769	14152	50.04
3	4763	100	291	5154	744	3655	0	3326	3621	-581	-600	12574	52	12626	1687	14313	50.01
4	4804	100	297	5201	687	3737	0	3301	3141	-555	-457	12309	52	12361	1589	13950	50.04
5	4819	100	316	5235	608	3886	0	3495	3689	-562	-435	12983	53	13036	1573	14609	49.98
6	4837	100	315	5252	562	4173	0	4152	3982	-602	-500	13469	64	13533	1647	15180	50.00
7	4901	123	317	5341	604	4447	1	4682	4765	-612	-423	14735	74	14809	1759	16568	49.98
8	5053	175	317	5545	486	4465	11	5132	5093	-575	-353	15247	74	15321	1878	17199	49.92
9	5142	257	317	5716	354	4549	69	5249	5329	-666	-429	15588	68	15656	2060	17716	49.95
10	5226	535	305	6066	362	4767	120	5388	5016	-796	-673	15658	58	15716	2338	18054	49.94
11	5247	576	298	6121	374	4865	153	5339	5319	-838	-772	16060	56	16116	2590	18706	49.93
12	5409	554	294	6257	443	4868	163	5294	5066	-912	-798	15999	58	16057	2651	18708	50.00
13	5772	325	292	6389	380	4670	180	5120	5284	-1047	-943	15960	114	16074	2617	18691	49.93
14	5670	225	308	6203	327	4782	146	5122	4832	-980	-848	15442	62	15504	2488	17992	50.03
15	5742	174	310	6226	278	4740	135	5074	4965	-994	-798	15546	58	15604	2502	18106	49.98
16	5403	180	427	6010	244	4733	107	5383	5172	-993	-858	15408	55	15463	2494	17957	49.95
17	5285	175	424	5884	220	4655	48	5262	5035	-968	-880	14962	56	15018	2478	17496	49.95
18	5250	184	424	5858	237	4411	5	4753	4306	-850	-1019	13798	60	13858	2457	16315	49.94
19	5164	476	410	6050	341	4159	0	4689	4668	-938	-1138	14080	60	14140	2568	16708	49.91
20	5312	367	410	6089	416	4350	0	4509	3819	-832	-1162	13512	59	13571	2580	16151	49.99
21	5060	236	385	5681	549	4216	0	4098	3873	-724	-1171	13148	56	13204	2437	15641	50.06
22	4990	174	275	5439	720	3870	0	3418	3161	-793	-1116	12074	54	12128	2318	14446	50.11
23	4939	174	303	5416	793	3770	0	3222	2946	-804	-1056	11869	54	11923	2175	14098	50.02
24	5020	178	315	5513	762	3695	0	3325	3236	-713	-939	12267	54	12321	2054	14375	50.07
MUs	123.26	5.72	7.94	136.91	12.36	102.87	1.14	106.15	102.88	-18.57	-18.79	337.37	1.48	338.86	52.61	391.46	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 06/Dec/2014

Position as on 6.30 Hrs of 07/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.	
Bhusawal Unit 3	210	04/12/2014	09.56	06/12/2014	14.38	Flame Failure	
CPP WPCL U-3	135	06/12/2014	17.51	06/12/2014	23.55	ID Fan Problem.	
Nasik Unit 4	210	07/12/2014	22.00		Continued.	ID fan problem	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2014

Position as on 6.30 Hrs of 07/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Solapur (PGCIL)	05/12/2014	07.58	06/12/2014	08.36	Restranging of broken E/W.
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 Strengthing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	05/12/2014	17.10	06/12/2014	09.05	Over Voltage
Dhule-Sar'Sarovar - I	05/12/2014	21.16	06/12/2014	07.35	Over Voltage
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.
Chandrapur 400 KV HVDC -II	05/12/2014	22.31	06/12/2014	04.40	Attending hot spot.
400/132KV 200 MVA ICT-II @ Bhusawal	06/12/2014	11.08	06/12/2014	11.54	Gas Pressure Low
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.
220/132KV 200MVA ICT-II at BBLSR	06/12/2014	08.35	06/12/2014	11.40	Hot Spot
Kandalgaon - Dasturi	06/12/2014	09.05	06/12/2014	14.15	Q.M.Work
220/132KV 200MVA ICT-II at Dhule	06/12/2014	09.06	06/12/2014	13.19	Measurement of Tan Delta of CT
Magarpatta - Sirum	06/12/2014	09.19	06/12/2014	15.16	Maint.work
Khaparkheda-Kawlewada-I	06/12/2014	09.32	06/12/2014	16.41	Repl.of E/W
Wardha Power -Warora -II	06/12/2014	09.42	06/12/2014	20.04	Measurement of Tan Delta of CT
Dhamangaon - Rly TSS - I	06/12/2014	11.23	06/12/2014	17.26	Retrofitting of Distance Relay
Lote - Dasturi	06/12/2014	15.55	06/12/2014	20.12	Q.M.Work
Kalwa-Mulund II	07/12/2014	09.19	07/12/2014	20.45	Replacement work

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 06/Dec/2014

Position as on 6.30 Hrs of 07/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
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 : 500KV			Outage Type FORCED OUTAGE		
HVDC Pole-I	06/12/2014	07.11	06/12/2014	10.43	Problem in Tap Changer
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	05/12/2014	16.36	06/12/2014	08.30	Over Voltage
Bhusawal- Aurangabad	05/12/2014	17.09	06/12/2014	10.08	Over Voltage
Karad-Jaigad II	05/12/2014	17.10	06/12/2014	08.45	Over Voltage
Lonikand- Koyna Stage IV	05/12/2014	21.16	06/12/2014	06.34	Over Voltage
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
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 07/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	141
Unit 7	210	151
	620	292
Bhusawal		
Unit 2	210	0
Unit 3	210	144
Unit 4	500	357
Unit 5	500	319
	1420	820
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	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	162
Unit 2	210	162
Unit 3	210	171
Unit 4	210	166
Unit 5	500	398
	1340	1059
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	0
BHANDARDRA	45	0
ELDARY	23	15
SMLHY PTN	12	10
GHATGHAR	250	0
	611	251
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	1135
WARDHA	405	110
Adani	2640	2468
Other CPPs	300	745
	4545	4458
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	5388
	3455	5388