



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

State Load Dispatch Center, Airoli

Daily system Report

for

24/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 24/Dec/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	124.847	2919.303	1) Gujrat	4.299	27.028
2) Hydro	15.960	236.330	2) Madhya Pradesh	10.353	271.955
3) Gas	7.648	208.579	3) Chattisgarh	5.790	140.890
Total MSGENCO	148.455	3364.212	4) Maharashtra Net	84.094	2097.393
B) 1) JSW JAIGAD	20.771	513.618	(Incl. 765kV Solapur-Raichur)	-10.503	-160.055
2) WPCL	2.700	64.251	5) Goa	-6.336	-146.187
3) ADANI	43.080	1176.490	6) TAPS 1&2 Injection	3.653	101.251
4) Other CPP / IPP	24.832	542.320	7) RGPPL Injection	0.000	0.000
5) Wind Generation	3.265	168.198	8) Pench (Excess)	-0.275	-2.495
6) PENCH (MS)	0.275	2.495			
7) SOLAR	0.881	23.212	# Total Cent. Sector	101.578	2489.835
C) 1) TPCL Thermal	16.068	395.765	F) Other Exchanges		
2) TPCL Hydro	4.320	87.140	1) With TPCL (Excess)	-22.185	-529.450
TOTAL TPCL	20.388	482.905	G) Bilateral Power *		
3) REL Thermal	5.826	204.056	1) MSEDCL Bilateral	21.146	602.978
D) STATE			Include PX	-4.891	-44.652
1) Thermal (A1+C1+C3)	146.741	3519.124	2) MUMBAI Bilateral	17.286	462.461
2) Hydro (A2+B6+C2)	20.555	325.965	Include PX	-0.284	42.252
3) Gas (A3)	7.648	208.579	3) MUMBAI Schedule	18.811	469.862
4) Wind (B5)	3.265	168.198	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	91.383	2296.679	1) MSEDCL	323.652	7815.181
6) SOLAR (B7)	0.881	23.212	2) TPCL	29.535	744.179
TOTAL STATE	270.473	6541.757	3) REL	18.863	471.496
			TOTAL STATE	372.050	9030.856

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5312	5538	4809
MSGENCO Hydro	1533	885	133
MSGENCO Gas	318	319	325
MSGENCO Total Generation	7163	6742	5267
Central Sector Receipt	5527	5197	2753
WIND	94	26	181
CPP / IPP	3952	3917	3618
SOLAR	119	133	0
Exchange with Mumbai	-1118	-971	-616
MSEDCL DEMAND MET	15737	15044	11203
Load Shedding	63	70	55
MSEDCL DEMAND	15800	15114	11258
TPCL GENERATION	1177	1164	518
R-INFRA GENERATION	262	262	193
TPCL+R-INFRA DEMAND	2557	2397	1327
STATE DEMAND MET	18294	17441	12530
STATE DEMAND	18357	17511	12585
Frequency (Hz)	49.93	49.97	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 00:00 Hrs	49.63 Hz at 10:17 Hrs	49.93	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 24/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	3.84	84.95	170	149	155
Unit 7	4.05	95.18	180	160	165
Total	7.89	180.13			320
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	52.48	0	0	0
Unit 4	10.25	218.90	510	305	345
Unit 5	9.74	210.25	500	335	355
Total	19.99	481.62			700
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.59	85.79	155	146	154
Unit 6	5.59	124.53	250	190	225
Unit 7	4.92	122.80	218	180	205
Total	14.11	333.12			584
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.35	79.03	144	135	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.48	101.52	197	166	200
Unit 5	9.53	213.69	450	343	400
Unit 6	8.64	206.78	400	310	400
Unit 7	9.27	213.34	414	348	400
Total	35.27	814.37			1540
Paras					
Unit 3	4.74	117.18	226	176	200
Unit 4	0.29	110.34	201	0	0
Total	5.03	227.52			200
Khaparkheda					
Unit 1	3.95	92.12	185	150	180
Unit 2	4.00	91.22	185	145	180
Unit 3	4.71	105.47	202	184	210
Unit 4	4.89	106.61	212	191	210
Unit 5	11.32	201.81	500	396	500
Total	28.87	597.23			1280
Nasik					
Unit 3	4.73	105.93	205	185	200
Unit 4	4.47	76.63	194	172	190
Unit 5	4.50	102.76	193	178	190
Total	13.70	285.32			580
Uran					
All Units	7.65	208.58	327	302	335
Total	7.65	208.58			335
PENCH (MS)					
Pench (MS)	0.28	2.50	54	0	
Total	0.28	2.50			
Koyna					
Stage 1-2	3.33	62.79	400	40	530
Stage 4	6.17	38.92	843	0	250
Stage 3	2.22	22.41	240	0	240
Kovna 12&4 Total	9.50	101.71			780

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.72	124.12			1020
Hydro					
KDPH	0.44	12.98	19	18	19
VTRNA	0.00	15.83	0	0	0
TILLARI	0.25	8.34	62	0	62
BHTGR/VEER	0.00	0.51	0	0	0
BHIRA T.R.	0.37	4.80	80	0	80
RNGR+BHTSA	0.36	7.17	16	15	15
BHANDARDRA	0.00	5.54	0	0	0
ELDARY	0.32	6.11	14	13	0
SMLHY PTN	1.06	24.02	44	44	12
GHATGHAR	1.43	26.90	120	0	0
Total	4.24	112.21			188
Wind					
MalharPeth	0.12	4.09			
Vankuswadi	0.24	8.69			
ATIT	0.02	0.87			
Kale	0.06	3.06			
Satara	1.68	78.52			
Shirala	0.09	4.79			
K Mahankal	0.01	7.35			
Supa	0.03	1.99			
Vita	0.45	18.20			
Dondaicha	0.32	19.84			
Sakri	0.02	2.25			
Nandurbar	0.18	7.16			
Khandke	0.05	6.94			
Khaparale	0.02	4.45			
Total	3.26	168.20			
CPP					
JSW JAIGAD	20.77	513.62	943	782	855
WARDHA	2.70	64.25	117	81	110
Adani	43.08	1176.49	1820	1770	1856
Other CPPs	24.83	542.32			745
Total	91.38	2296.68			3566
SOLAR					
Total	0.88	23.21			
Total	0.88	23.21			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.40	232.58	487	317	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	0.00	24.33	0	0	0
Trombay 7B	0.00	15.56	0	0	0
Trombay 8	5.67	123.29	253	200	250
TATA Hydro	4.32	87.14	459	0	447
Total	20.39	482.90			1197
REL					
1&2	5.83	204.06	263	193	250
Total	5.83	204.06			250
Cent Sect					
Share					5350
Total					5350
MS PG CL	Thermal	124.85	2919.30		5204
	Thml+Gas	132.50	3127.88		5539
	Hydro	15.96	236.33		1208
	Total	148.46	3364.21		6747
State Total		270.47	6541.76		17110

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 24/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	5064	138	325	5527	280	3597	0	2468	2732	-622	-802	11334	86	11420	1516	12936	50.00
2	4919	137	327	5383	243	3621	0	2514	2889	-508	-677	11459	55	11514	1388	12902	49.98
3	4809	133	325	5267	181	3618	0	2539	2753	-457	-616	11203	55	11258	1327	12585	49.97
4	4808	137	324	5269	119	3638	0	2789	3110	-432	-583	11553	55	11608	1296	12904	49.98
5	4781	132	326	5239	82	3609	0	2994	3417	-429	-593	11761	56	11817	1304	13121	49.98
6	4966	172	323	5461	52	3689	0	3326	3916	-500	-645	12523	68	12591	1413	14004	49.97
7	5247	212	324	5783	74	3662	0	4226	4612	-605	-594	13590	89	13679	1574	15253	49.91
8	5223	1167	324	6714	119	3720	11	4462	4863	-613	-573	14908	89	14997	1752	16749	49.85
9	5310	1435	324	7069	177	3841	42	4921	5073	-805	-641	15611	82	15693	1992	17685	49.88
10	5260	1723	318	7301	200	3939	79	5038	5019	-941	-895	15676	67	15743	2303	18046	49.80
11	5232	1637	320	7189	142	3922	121	5169	5255	-1137	-1047	15610	60	15670	2497	18167	49.81
12	5312	1533	318	7163	94	3952	119	5222	5527	-1161	-1118	15737	63	15800	2557	18357	49.93
13	5477	1395	313	7185	38	3948	158	5038	5098	-1084	-1184	15243	125	15368	2523	17891	49.94
14	5538	885	319	6742	26	3917	133	5086	5197	-939	-971	15044	70	15114	2397	17511	49.97
15	5545	813	302	6660	24	3965	100	5076	5072	-914	-1011	14810	64	14874	2391	17265	49.85
16	5440	950	308	6698	22	3972	81	5072	5218	-903	-970	15021	60	15081	2406	17487	49.86
17	5291	774	309	6374	36	3940	35	5048	5311	-867	-1049	14647	63	14710	2410	17120	49.85
18	5292	780	312	6384	66	3889	2	4514	4287	-813	-1338	13290	68	13358	2411	15769	49.95
19	5325	604	313	6242	165	3940	0	4872	4834	-953	-1364	13817	67	13884	2502	16386	49.93
20	5274	485	314	6073	247	3939	0	4769	4266	-878	-1324	13201	68	13269	2452	15721	49.98
21	5331	219	316	5866	226	3926	0	4249	4198	-806	-1229	12987	64	13051	2293	15344	49.95
22	5312	229	318	5859	255	3800	0	3633	3377	-795	-1085	12206	62	12268	2108	14376	49.97
23	5247	130	322	5699	228	3763	0	3266	2558	-889	-927	11321	62	11383	1880	13263	49.93
24	4844	140	324	5308	169	3576	0	3372	2996	-761	-949	11100	62	11162	1707	12869	49.97
MUs	124.85	15.96	7.65	148.46	3.26	91.38	0.88	99.66	101.58	-18.81	-22.18	323.65	1.66	325.31	48.40	373.71	49.93

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 24/Dec/2014

Position as on 6.30 Hrs of 25/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)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
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 U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Bhusawal Unit 3	210	19/12/2014	15.39		Continued.	Boiler Tube Leakage	
CPP JSW (J) U2	300	19/12/2014	16.55		Continued.	No Schedule	
CPP Adani U-5	660	22/12/2014	18.11		Continued.	Superheater Spray Line Drain Valve Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 24/Dec/2014

Position as on 6.30 Hrs of 25/Dec/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Uran Unit 5	108	23/12/2014	19.17		Continued.	Gas Shortage.	
REL 2	250	23/12/2014	21.20		Continued.	BTL.	
Paras Unit 4	250	24/12/2014	01.27		Continued.	Y Ph PT Burst At Paras.	
Nasik Unit 4	210	25/12/2014	03.12		Continued.	ID Fan Problem	
Koradi Unit 6	210	25/12/2014	05.25		Continued.	Boiler Tube Leakage	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2014

Position as on 6.30 Hrs of 25/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		
Padgha -Tarapur - I	23/12/2014	11.19		Continued.	Shifted from A Bus To B Bus.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Mudshingi -- Chikodi	24/12/2014	15.07	24/12/2014	17.33	Q.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - I	23/12/2014	17.42	24/12/2014	08.34	Over Voltage.
Dhule-Sar'Sarovar - II	23/12/2014	20.26	24/12/2014	10.10	Over Voltage.
Kolhapur-Solapur(PGCIL)- I	24/12/2014	00.18	24/12/2014	08.31	Over Voltage.
Kolhapur - Mapusa - I	24/12/2014	20.41		Continued.	Over Voltage
Dhule-Sar'Sarovar - II	24/12/2014	21.14	24/12/2014	21.43	Over Voltage
Dhule-Sar'Sarovar - I	24/12/2014	21.46		Continued.	Over Voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole I Padgha	24/12/2014	22.39	24/12/2014	23.31	Checking of Pole-I DC Voltage Divider
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
Padgha - Nagothane- II	23/12/2014	11.42		Continued.	Shifted from A Bus To B Bus.
Karad - Newkoyna - I	24/12/2014	12.04		Continued.	Hot Spot(RFC 17.19Hrs)
Bus - I @ Padgha	24/12/2014	13.30		Continued.	Conductor replacement
400/220 KV 315 MVA ICT- II at Girawali	24/12/2014	14.00	24/12/2014	15.36	Nut Bolt Tightening of Bus and Line Isolator CB CT
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.
Nasik - Airoli - Knowledge Park	24/12/2014	09.24	24/12/2014	17.20	Trip Ckt contactor replacement
220/132 KV 200 MVA ICT - I @ Nanded	24/12/2014	12.23	24/12/2014	18.02	Repl.of Gasket of R Phase LV Turret CT
Girwali - Parly - II	24/12/2014	14.27	24/12/2014	16.57	Q.M.Work
Girivali - Parli - III	24/12/2014	17.06	24/12/2014	19.17	Q.M.Work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	23/12/2014	16.36	24/12/2014	09.05	Over Voltage.
Bhusawal- Aurangabad	23/12/2014	20.05	24/12/2014	07.42	Over Voltage.
Kolhapur-Jaigad-I	23/12/2014	21.06	24/12/2014	09.08	Over Voltage
Lonikand- Koyna Stage IV	23/12/2014	21.21	24/12/2014	07.40	Over Voltage.
Karad - Kolhapur - I	24/12/2014	16.31		Continued.	Over Voltage
Bhusawal- Aurangabad	24/12/2014	17.13		Continued.	Over Voltage
Lonikand- Koyna Stage IV	24/12/2014	22.02		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
220/100 KV 100 MVA ICT	24/12/2014	23.40		Continued.	Due To Insufficient Protection

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2014

Position as on 6.30 Hrs of 25/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
- I @ Vasai					differential relay Faulty.
220/100KV 100MVA ICT-I at Vasai	24/12/2014	23.40		Continued.	Differential Relay Faulty
Voltage Level : 500KV			Outage Type TRIPPED		
HVDC POLE I -CHDPR	24/12/2014	07.53	24/12/2014	10.49	Tripped on Block A
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
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 25/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	170
	620	170
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	423
Unit 5	500	376
	1420	799
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	185
Unit 7	250	195
	1130	535
Chandrapur		
Unit 1	210	0
Unit 2	210	140
Unit 3	210	0
Unit 4	210	200
Unit 5	500	400
Unit 6	500	400
Unit 7	500	400
	2340	1540
Paras		
Unit 3	250	220
Unit 4	250	0
	500	220
Khaparkheda		
Unit 1	210	162
Unit 2	210	189
Unit 3	210	189
Unit 4	210	189
Unit 5	500	476
	1340	1205
Nasik		
Unit 3	210	200
Unit 4	210	0
Unit 5	210	190
	630	390
Uran		
All Units	852	335
	852	335
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	530
Stage 4	1000	250
Stage 3	320	240
	1920	1020
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	62
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	19
GHATGHAR	250	
	611	190
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	804
WARDHA	405	115
Adani	2640	1851
Other CPPs	300	745
	4545	3515
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	0
Trombay 7B	60	0
Trombay 8	250	250
TATA Hydro	444	447
	2024	1197
REL		
1&2	500	250
	500	250
Cent Sect		
Share	3455	5108
	3455	5108