



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/Dec/2014 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	125.069	2537.658	1) Gujrat	1.783	21.561
2) Hydro	7.504	207.405	2) Madhya Pradesh	9.187	241.721
3) Gas	9.659	178.761	3) Chattisgarh	5.680	123.850
Total MSGENCO	142.232	2923.824	4) Maharashtra Net	75.759	1847.827
B) 1) JSW JAIGAD	18.939	454.052	(Incl. 765kV Solapur-Raichur)	-8.565	-133.333
2) WPCL	2.651	56.016	5) Goa	-5.464	-128.136
3) ADANI	53.580	1041.720	6) TAPS 1&2 Injection	3.644	90.346
4) Other CPP / IPP	21.050	470.123	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.609	152.283	8) Pench (Excess)	-0.082	-1.919
6) PENCH (MS)	0.082	1.919	# Total Cent. Sector	90.507	2195.250
7) SOLAR	0.958	20.189	F) Other Exchanges		
C) 1) TPCL Thermal	13.972	349.992	1) With TPCL (Excess)	-15.257	-469.803
2) TPCL Hydro	1.211	74.122	G) Bilateral Power *		
TOTAL TPCL	15.183	424.114	1) MSEDCL Bilateral	21.201	535.800
3) REL Thermal	10.384	176.986	Include PX	-8.341	-29.842
D) STATE			2) MUMBAI Bilateral	12.750	412.669
1) Thermal (A1+C1+C3)	149.425	3064.636	Include PX	-1.861	42.644
2) Hydro (A2+B6+C2)	8.797	283.446	3) MUMBAI Schedule	12.750	418.545
3) Gas (A3)	9.659	178.761	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.609	152.283	1) MSEDCL	319.351	6845.573
5) CPP/IPP (B1+B2+B3+B4)	96.220	2021.911	2) TPCL	25.110	654.108
6) SOLAR (B7)	0.958	20.189	3) REL	15.715	416.061
TOTAL STATE	269.668	5721.226	TOTAL STATE	360.176	7915.742

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 14 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5337	5748	5073
MSGENCO Hydro	1071	245	128
MSGENCO Gas	448	434	481
MSGENCO Total Generation	6856	6427	5682
Central Sector Receipt	4710	4535	1789
WIND	56	14	317
CPP / IPP	4248	4215	3911
SOLAR	145	137	0
Exchange with Mumbai	-591	-530	-416
MSEDCL DEMAND MET	15424	14798	11283
Load Shedding	60	66	54
MSEDCL DEMAND	15484	14864	11337
TPCL GENERATION	830	809	518
R-INFRA GENERATION	523	523	390
TPCL+R-INFRA DEMAND	1944	1862	1324
STATE DEMAND MET	17368	16660	12607
STATE DEMAND	17428	16726	12661
Frequency (Hz)	49.90	49.98	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.37 Hz at 23.59 Hrs	49.63 Hz at 18.10 Hrs	49.95	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 21/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	3.97	73.05	178	155	160
Unit 7	4.19	82.87	194	165	180
Total	8.16	155.92			340
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	0.00	52.48	0	0	0
Unit 4	9.66	188.39	510	360	426
Unit 5	9.20	181.58	490	350	360
Total	18.86	422.44			786
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.60	74.99	155	143	152
Unit 6	5.42	108.21	250	207	220
Unit 7	5.34	107.34	250	208	195
Total	14.36	290.54			567
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.25	69.03	139	130	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.12	88.68	193	162	200
Unit 5	8.20	185.49	450	145	400
Unit 6	8.75	180.03	405	350	400
Unit 7	9.27	185.72	457	347	400
Total	33.58	708.96			1540
Paras					
Unit 3	4.95	102.49	240	182	200
Unit 4	4.82	100.48	220	182	200
Total	9.77	202.97			400
Khaparkheda					
Unit 1	3.68	80.36	180	135	180
Unit 2	3.70	79.35	170	140	180
Unit 3	4.42	91.25	201	155	210
Unit 4	4.41	92.12	203	161	210
Unit 5	10.56	168.93	495	394	500
Total	26.76	512.01			1280
Nasik					
Unit 3	4.66	92.10	200	185	200
Unit 4	4.40	63.32	190	176	190
Unit 5	4.52	89.40	191	185	190
Total	13.57	244.82			580
Uran					
All Units	9.66	178.76	491	158	465
Total	9.66	178.76			465
PENCH (MS)					
Pench (MS)	0.08	1.92	27	0	
Total	0.08	1.92			
Koyna					
Stage 1-2	2.34	56.10	315	40	600
Stage 4	1.03	31.32	280	0	250
Stage 3	1.03	18.99	240	0	240
Kovna 12&4 Total	3.37	87.42			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	4.40	106.41			1090
Hydro					
KDPH	0.44	11.65	19	18	19
VTRNA	0.00	15.83	0	0	0
TILLARI	0.38	7.35	64	0	63
BHTGR/VEER	0.00	0.51	0	0	0
BHIRA T.R.	0.14	4.11	80	0	80
RNGR+BHTSA	0.37	6.11	16	15	14
BHANDARDRA	0.00	5.54	0	0	0
ELDARY	0.32	5.15	14	12	14
SMLHY PTN	0.88	21.19	44	33	4
GHATGHAR	0.56	23.55	125	0	0
Total	3.10	100.99			194
Wind					
MalharPeth	0.08	3.69			
Vankuswadi	0.17	7.77			
ATIT	0.01	0.80			
Kale	0.07	2.82			
Satara	2.22	70.08			
Shirala	0.10	4.39			
K Mahankal	0.01	7.30			
Supa	0.04	1.87			
Vita	0.35	16.33			
Dondaicha	0.96	18.13			
Sakri	0.09	2.11			
Nandurbar	0.26	6.28			
Khandke	0.08	6.59			
Khaparale	0.17	4.11			
Total	4.61	152.28			
CPP					
JSW JAIGAD	18.94	454.05	823	700	740
WARDHA	2.65	56.02	118	102	115
Adani	53.58	1041.72	2340	2020	2363
Other CPPs	21.05	470.12			500
Total	96.22	2021.91			3718
SOLAR					
Total	0.96	20.19			
Total	0.96	20.19			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	8.80	203.39	493	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	5.18	106.71	250	199	250
TATA Hydro	1.21	74.12	141	0	447
Total	15.18	424.11			1197
REL					
1&2	10.38	176.99	523	387	500
Total	10.38	176.99			500
Cent Sect					
Share					4762
Total					4762
MS PG CL	Thermal	125.07	2537.66		5493
	Thml+Gas	134.73	2716.42		5958
	Hydro	7.50	207.40		1284
	Total	142.23	2923.82		7242
State Total		269.67	5721.23		17419

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	5086	124	449	5659	383	3858	0	2075	2582	-600	-649	11833	84	11917	1558	13475	49.96
2	5072	122	468	5662	376	3854	0	2033	2279	-508	-526	11645	54	11699	1431	13130	49.97
3	5062	127	481	5670	345	3957	0	1723	1862	-451	-449	11385	54	11439	1357	12796	49.95
4	5073	128	481	5682	317	3911	0	1699	1789	-427	-416	11283	54	11337	1324	12661	49.95
5	5065	133	483	5681	242	3945	0	1990	2212	-405	-412	11668	55	11723	1319	13042	49.96
6	5075	123	491	5689	265	3988	0	2847	2910	-426	-479	12373	60	12433	1384	13817	50.03
7	5036	128	490	5654	275	4056	0	3732	3964	-405	-540	13409	83	13492	1447	14939	50.01
8	5044	368	472	5884	276	4084	10	4423	4624	-425	-504	14401	83	14484	1503	15987	49.77
9	5211	597	478	6286	226	4100	51	4545	4536	-391	-515	14689	75	14764	1638	16402	49.81
10	5160	765	453	6378	184	4223	97	4694	4773	-484	-471	15211	62	15273	1807	17080	49.82
11	5147	876	456	6479	112	4183	128	4652	4931	-572	-527	15329	56	15385	1921	17306	49.88
12	5337	1071	448	6856	56	4248	145	4649	4710	-612	-591	15424	60	15484	1944	17428	49.90
13	5698	684	436	6818	30	4218	152	4645	4549	-600	-627	15140	120	15260	1925	17185	49.90
14	5748	245	434	6427	14	4215	137	4452	4535	-550	-530	14798	66	14864	1862	16726	49.98
15	5750	200	295	6245	15	4181	106	4466	4587	-504	-474	14660	64	14724	1787	16511	49.98
16	5472	286	158	5916	17	4189	80	4481	4628	-472	-422	14408	58	14466	1732	16198	49.90
17	5403	231	200	5834	42	4093	45	4384	4558	-514	-614	13958	61	14019	1715	15734	49.92
18	5244	137	234	5615	88	3963	7	4034	3868	-597	-819	12722	64	12786	1750	14536	50.00
19	5071	287	253	5611	217	3743	0	4441	4681	-571	-965	13287	66	13353	1954	15307	49.95
20	5065	324	310	5699	286	3814	0	4220	4548	-585	-1017	13330	67	13397	2021	15418	49.94
21	5072	183	335	5590	282	3891	0	3623	3680	-585	-1067	12376	62	12438	2007	14445	49.99
22	5067	120	380	5567	230	3825	0	2564	2781	-684	-1002	11401	61	11462	1933	13395	50.08
23	5058	125	483	5666	170	3828	0	2085	2320	-709	-892	11092	61	11153	1822	12975	49.99
24	5053	120	491	5664	161	3853	0	1880	2054	-671	-749	10983	61	11044	1683	12727	50.07
MUs	125.07	7.50	9.66	142.23	4.61	96.22	0.96	84.34	87.96	-12.75	-15.26	316.80	1.59	318.40	40.82	359.22	49.95

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 21/Dec/2014

Position as on 6.30 Hrs of 22/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 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.	
CPP IPL U-1	270	18/12/2014	22.26	22/12/2014	04.59	Turbine shaft vibration.	
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	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Dec/2014

Position as on 6.30 Hrs of 22/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		
Kolhapur - Mapusa - II	20/12/2014	17.16	21/12/2014	08.02	Over Voltage
Dhule-Sar'Sarovar - I	20/12/2014	19.22	21/12/2014	06.58	Over Voltage
Kolhapur - Mapusa - I	21/12/2014	17.03		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	21/12/2014	18.05		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 II Padgha	21/12/2014	01.20	21/12/2014	04.50	Hot Spot
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-II @ Nagothane.	12/11/2014	13.02		Continued.	Shifted to TBC for BKR overloading.
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220/33KV,500 MVA ICT-I At Kalwa	21/12/2014	08.14	21/12/2014	18.30	Work on NDR.
Kalwa-Padgha II	21/12/2014	08.53	21/12/2014	19.50	Restraining of SWG Earthwire Conversion of SSN to DSN @ Road Cross Location.
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.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Kolhapur-II	20/12/2014	17.08	21/12/2014	09.05	Over Voltage
Bhusawal- Aurangabad	20/12/2014	17.50	21/12/2014	08.40	Over Voltage
Lonikand- Koyna Stage IV	20/12/2014	20.05	21/12/2014	08.00	Over Voltage
Karad-Jaigad I	20/12/2014	20.23	21/12/2014	08.00	Over Voltage
Kolhapur-Karad -I	21/12/2014	16.09		Continued.	Over Voltage.
Karad-Jaigad II	21/12/2014	16.36		Continued.	Over Voltage.
Bhusawal- Aurangabad	21/12/2014	18.05		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	21/12/2014	20.25		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Parli-Usmanabad	15/12/2014	15.17		Continued.	To Free TBC for Parly GCR Bus-II Outage.
Aurangabad - Babaleshwar	21/12/2014	06.48	21/12/2014	21.02	To Control Aurangabad ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
765KV Koradi-III -- Tiroda - II	21/12/2014	01.39		Continued.	LBB Operated at Koradi-III
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 22/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	163
Unit 7	210	158
	620	321
Bhusawal		
Unit 2	210	0
Unit 3	210	0
Unit 4	500	360
Unit 5	500	358
	1420	718
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	157
Unit 6	250	207
Unit 7	250	208
	1130	572
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	200
Unit 4	250	200
	500	400
Khaparkheda		
Unit 1	210	162
Unit 2	210	162
Unit 3	210	189
Unit 4	210	189
Unit 5	500	476
	1340	1178
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	490
	852	490
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	240
	1920	1090
Hydro		
KDPH	40	19
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	80
RNGR+BHTSA	20	16
BHANDARDRA	45	0
ELDARY	23	14
SMLHY PTN	12	0
GHATGHAR	250	0
	611	192
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	845
WARDHA	405	115
Adani	2640	2363
Other CPPs	300	755
	4545	4078
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	500
	500	500
Cent Sect		
Share	3455	5491
	3455	5491

	21940	18337
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