



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

State Load Dispatch Center, Airoli

Daily system Report

for

15/Dec/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 15/Dec/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	120.914	1787.164	1) Gujrat	1.071	27.415
2) Hydro	7.208	158.434	2) Madhya Pradesh	15.692	198.924
3) Gas	11.937	125.521	3) Chattisgarh	5.400	93.910
Total MSGENCO	140.059	2071.119	4) Maharashtra Net	79.337	1384.675
B) 1) JSW JAIGAD	19.902	337.508	(Incl. 765kV Solapur-Raichur)	-11.458	-85.421
2) WPCL	2.824	39.648	5) Goa	-5.915	-92.797
3) ADANI	43.420	744.470	6) TAPS 1&2 Injection	7.545	60.177
4) Other CPP / IPP	21.901	346.458	7) RGPPL Injection	0.000	0.000
5) Wind Generation	4.106	86.608	8) Pench (Excess)	-0.052	-1.451
6) PENCH (MS)	0.052	1.451	# Total Cent. Sector	103.078	1670.853
7) SOLAR	0.899	13.746	F) Other Exchanges		
C) 1) TPCL Thermal	15.005	265.563	1) With TPCL (Excess)	-21.957	-340.641
2) TPCL Hydro	3.969	55.259	G) Bilateral Power *		
TOTAL TPCL	18.974	320.822	1) MSEDCL Bilateral	26.289	422.795
3) REL Thermal	5.620	129.048	Include PX	-1.082	18.016
D) STATE			2) MUMBAI Bilateral	24.109	311.432
1) Thermal (A1+C1+C3)	141.539	2181.775	Include PX	5.612	39.724
2) Hydro (A2+B6+C2)	11.229	215.144	3) MUMBAI Schedule	24.109	317.308
3) Gas (A3)	11.937	125.521	H) ENERGY CATERED (MUs)		
4) Wind (B5)	4.106	86.608	1) MSEDCL	314.284	4971.220
5) CPP/IPP (B1+B2+B3+B4)	88.047	1468.084	2) TPCL	29.155	480.632
6) SOLAR (B7)	0.899	13.746	3) REL	17.396	309.152
TOTAL STATE	257.757	4090.878	TOTAL STATE	360.835	5761.004

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5158	5103	4729
MSGENCO Hydro	349	516	150
MSGENCO Gas	468	442	638
MSGENCO Total Generation	5975	6061	5517
Central Sector Receipt	5526	5368	2625
WIND	83	32	187
CPP / IPP	4124	3536	3474
SOLAR	120	83	0
Exchange with Mumbai	-1129	-965	-522
MSEDCL DEMAND MET	14699	14115	11281
Load Shedding	69	73	65
MSEDCL DEMAND	14768	14188	11346
TPCL GENERATION	1013	1085	511
R-INFRA GENERATION	263	261	194
TPCL+R-INFRA DEMAND	2405	2311	1227
STATE DEMAND MET	17104	16426	12508
STATE DEMAND	17173	16499	12573
Frequency (Hz)	49.97	49.90	50.34

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.55 Hz at 00.01 Hrs	49.59 Hz at 18.09 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 15/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	3.94	52.18	180	145	160
Unit 7	3.92	58.33	180	123	170
Total	7.86	110.52			330
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.68	38.88	160	145	155
Unit 4	8.48	133.10	370	335	350
Unit 5	7.95	128.48	375	315	313
Total	20.12	300.46			818
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	3.66	53.26	155	148	155
Unit 6	5.27	76.47	240	204	204
Unit 7	5.10	76.24	230	171	205
Total	14.03	205.96			564
Chandrapur					
Unit 1	0.00	0.00	0	0	0
Unit 2	3.18	49.27	139	119	140
Unit 3	0.00	0.00	0	0	0
Unit 4	4.05	64.19	195	163	200
Unit 5	9.02	133.60	410	351	400
Unit 6	8.68	128.21	385	350	400
Unit 7	8.31	131.84	361	325	400
Total	33.24	507.10			1540
Paras					
Unit 3	4.57	73.77	206	180	200
Unit 4	4.59	71.99	204	163	200
Total	9.16	145.76			400
Khaparkheda					
Unit 1	3.51	57.94	170	120	180
Unit 2	3.76	56.91	170	145	180
Unit 3	4.53	64.21	210	183	200
Unit 4	4.42	64.64	210	180	190
Unit 5	7.38	107.32	415	0	300
Total	23.60	351.01			1050
Nasik					
Unit 3	4.40	65.28	200	170	190
Unit 4	4.26	37.62	190	169	190
Unit 5	4.24	63.45	188	170	190
Total	12.90	166.35			570
Uran					
All Units	11.94	125.52	649	430	470
Total	11.94	125.52			470
PENCH (MS)					
Pench (MS)	0.05	1.45	30	0	
Total	0.05	1.45			
Koyna					
Stage 1-2	1.52	40.16	295	40	600
Stage 4	0.24	27.65	169	0	250
Stage 3	0.49	14.48	114	0	240
Kovna 12&4 Total	1.76	67.80			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	2.25	82.28			1090
Hydro					
KDPH	0.59	8.53	37	18	36
VTRNA	0.72	15.27	61	0	61
TILLARI	0.37	5.24	63	0	60
BHTGR/VEER	0.00	0.51	0	0	0
BHIRA T.R.	0.11	3.10	80	0	80
RNGR+BHTSA	0.39	3.83	17	16	16
BHANDARDRA	0.32	4.45	14	13	14
ELDARY	0.32	3.21	14	12	14
SMLHY PTN	0.83	16.16	43	31	12
GHATGHAR	1.31	15.86	250	0	0
Total	4.96	76.15			293
Wind					
MalharPeth	0.06	2.38			
Vankuswadi	0.08	4.78			
ATIT	0.00	0.51			
Kale	0.04	1.62			
Satara	1.65	37.02			
Shirala	0.04	2.41			
K Mahankal	0.02	7.16			
Supa	0.18	1.21			
Vita	0.79	8.90			
Dondaicha	0.51	9.50			
Sakri	0.06	0.93			
Nandurbar	0.28	3.70			
Khandke	0.29	4.44			
Khaparale	0.10	2.05			
Total	4.11	86.61			
CPP					
JSW JAIGAD	19.90	337.51	981	769	1095
WARDHA	2.82	39.65	121	114	110
Adani	43.42	744.47	2320	1680	2359
Other CPPs	21.90	346.46			665
Total	88.05	1468.08			4229
SOLAR					
Total	0.90	13.75			
Total	0.90	13.75			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	9.76	150.21	492	308	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	5.24	75.46	253	158	250
TATA Hydro	3.97	55.26	416	0	447
Total	18.97	320.82			1197
REL					
1&2	5.62	129.05	263	194	250
Total	5.62	129.05			250
Cent Sect					
Share					5754
Total					5754
MS PG CL	Thermal	120.91	1787.16		5272
	Thml+Gas	132.85	1912.68		5742
	Hydro	7.21	158.43		1383
	Total	140.06	2071.12		7125
State Total		257.76	4090.88		18555

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 15/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	4627	201	649	5477	188	3485	0	3723	3314	-733	-734	11730	96	11826	1441	13267	50.20
2	4650	155	648	5453	176	3488	0	3485	3102	-664	-624	11595	65	11660	1329	12989	50.29
3	4740	156	623	5519	185	3499	0	3174	2897	-639	-563	11537	65	11602	1267	12869	50.36
4	4729	150	638	5517	187	3474	0	3245	2625	-639	-522	11281	65	11346	1227	12573	50.34
5	4817	156	543	5516	176	3484	0	3799	2884	-639	-544	11516	66	11582	1246	12828	50.24
6	4870	160	547	5577	181	3502	0	4077	3759	-698	-651	12368	75	12443	1354	13797	49.99
7	4937	480	517	5934	188	3619	0	3653	4332	-803	-710	13363	80	13443	1557	15000	49.82
8	5122	643	511	6276	187	4093	5	4436	4409	-864	-683	14287	80	14367	1713	16080	49.85
9	5261	332	501	6094	163	4432	51	4954	4734	-1002	-855	14619	77	14696	1968	16664	49.82
10	5170	286	492	5948	119	4389	94	5200	5061	-1062	-1002	14609	70	14679	2224	16903	49.90
11	5158	349	468	5975	83	4124	120	5595	5526	-1205	-1129	14699	69	14768	2405	17173	49.97
12	5200	233	450	5883	57	3912	118	5476	5618	-1289	-1137	14451	73	14524	2450	16974	49.87
13	5250	263	454	5967	37	3557	148	4905	5395	-1281	-992	14112	136	14248	2413	16661	49.88
14	5238	461	458	6157	39	3571	119	4801	5117	-1194	-1003	14000	76	14076	2281	16357	49.97
15	5192	463	444	6099	28	3570	117	4749	4963	-1195	-950	13827	74	13901	2307	16208	49.92
16	5103	516	442	6061	32	3536	83	5033	5368	-1195	-965	14115	73	14188	2311	16499	49.90
17	5091	561	434	6086	41	3553	41	4836	5099	-1180	-1040	13783	74	13857	2323	16180	49.87
18	5041	232	432	5705	120	3578	3	4655	4609	-1177	-1162	12883	75	12958	2320	15278	49.89
19	5091	270	430	5791	203	3572	0	4840	5182	-1239	-1143	13624	79	13703	2395	16098	49.90
20	5113	272	436	5821	245	3548	0	4928	5061	-1173	-1083	13592	78	13670	2356	16026	49.93
21	5094	269	450	5813	315	3502	0	4563	4496	-1103	-1154	12972	76	13048	2152	15200	49.95
22	5151	205	457	5813	367	3518	0	3666	3640	-1161	-1230	12108	73	12181	2004	14185	49.99
23	5176	200	457	5833	350	3519	0	3284	3328	-1044	-1117	11913	73	11986	1834	13820	49.97
24	5093	195	456	5744	439	3522	0	3151	2559	-931	-964	11300	73	11373	1674	13047	50.03
MUs	120.91	7.21	11.94	140.06	4.11	88.05	0.90	104.23	103.08	-24.11	-21.96	314.28	1.84	316.12	46.55	362.68	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 15/Dec/2014

Position as on 6.30 Hrs of 16/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	
REL 2	250	08/12/2014	05.21		Continued.	over speed protection	
CPP Adani U1	660	08/12/2014	14.45		Continued.	Uproting of turbine steam chest drain line	
Khaparkheda Unit 5	500	11/12/2014	18.05	15/12/2014	02.05	Bunkering Problem.	
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.	
Uran Unit 7	108	15/12/2014	10.43		Continued.	Gas Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2014

Position as on 6.30 Hrs of 16/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		
Dhule-Sar'Sarovar - I	13/12/2014	20.20		Continued.	Over Voltage
Kolhapur - Mapusa - I	14/12/2014	16.34	15/12/2014	08.06	Over Voltage
Dhule-Sar'Sarovar - II	14/12/2014	23.56	15/12/2014	07.53	over voltage
Kolhapur - Mapusa - I	15/12/2014	17.53		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	15/12/2014	02.05	15/12/2014	11.14	distance protection
IntraState					
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 KV 500 MVA ICT-III @ Dhule	15/12/2014	19.00	15/12/2014	21.09	R Ph Unit Oil Topup.
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.
Nivali-Pawas	15/12/2014	08.37	15/12/2014	13.43	R.M. of Bus Equipments.
Pedambe - Pophali - II	15/12/2014	09.15	15/12/2014	10.35	For Oil Top up in R PH CT.
Miraj - Tilwani	15/12/2014	10.00	15/12/2014	13.32	Q.M.Work.
Apta-Uran-IV	15/12/2014	10.24	15/12/2014	17.16	R.M.Work & Line Signature Anal.
Main Bus @ Mudsungi	15/12/2014	10.25	15/12/2014	12.13	Bus Bar Testing Work & Q.M.Work.
220/100 KV 200 MVA ICT - III @ Mudsungi	15/12/2014	10.25	15/12/2014	13.05	R.M. Work.
Pawas-Kharepatan	15/12/2014	15.20	15/12/2014	18.20	For R.M.of Bus Equipment.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Main Bus - II @ New Parly	15/12/2014	18.30	15/12/2014	20.22	To Attend Broken Jumper on Bus-II.
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765 kv Wardha PG - Abad PG 2	15/12/2014	01.10	15/12/2014	19.49	over voltage
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - I	13/12/2014	16.51	15/12/2014	07.53	Over Voltage
Karad-Jaigad I	14/12/2014	16.37	15/12/2014	07.23	Over Voltage
Bhusawal- Aurangabad	14/12/2014	17.12	15/12/2014	07.53	Over Voltage
Lonikand- Koyna Stage IV	14/12/2014	20.23	15/12/2014	07.47	Over Voltage
Karad - Kolhapur - II	15/12/2014	16.22		Continued.	Over Voltage.
Karad-Jaigad I	15/12/2014	16.40		Continued.	Over Voltage.
Bhusawal- Aurangabad	15/12/2014	20.38		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	15/12/2014	21.50		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Dec/2014

Position as on 6.30 Hrs of 16/Dec/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Aurangabad - Babaleshwar	15/12/2014	07.35	15/12/2014	22.00	To Control Aurangabad ICT Loading.
Parli-Usmanabad	15/12/2014	15.17		Continued.	To Free TBC for Parly GCR Bus-II Outage.
Parli GCR - Parli EXTN.II	15/12/2014	18.16	15/12/2014	20.22	To Avail 220KV Main Bus-II Outage Parly GCR.
Voltage Level : 400KV			Outage Type TRIPPED		
New Koyna - Dabhol - I	13/12/2014	03.02		Continued.	Over Voltage
Karad - Kolhapur - II	14/12/2014	23.57	15/12/2014	07.17	over voltage
Deepnagar-Tapitatanda	15/12/2014	00.02	15/12/2014	05.49	Over voltage
Voltage Level : 220KV			Outage Type TRIPPED		
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
Jindal - Ghatghar	15/12/2014	22.38		Continued.	Y Ph Metering PT Burst @ Consumer End.
Padgha - Jindal	15/12/2014	22.38		Continued.	Y Ph Metering PT Burst @ Consumer End.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 16/Dec/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	160
	620	315
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	500	350
Unit 5	500	325
	1420	825
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	155
Unit 6	250	220
Unit 7	250	220
	1130	595
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	180
Unit 2	210	180
Unit 3	210	210
Unit 4	210	210
Unit 5	500	420
	1340	1200
Nasik		
Unit 3	210	200
Unit 4	210	190
Unit 5	210	190
	630	580
Uran		
All Units	852	470
	852	470
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	36
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	
BHIRA T.R.	80	80
RNGR+BHTSA	20	
BHANDARDRA	45	16
ELDARY	23	15
SMLHY PTN	12	25
GHATGHAR	250	
	611	293
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	891
WARDHA	405	118
Adani	2640	2363
Other CPPs	300	745
	4545	4117
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	5052
	3455	5052