

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Dec/2015 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	122.914	3445.355	1) Gujrat	-5.512	-52.130
2) Hydro	7.550	218.589	2) Madhya Pradesh	-0.963	148.650
3) Gas	7.018	230.409	3) Chattisgarh	2.780	126.030
Total MSPGCL	137.482	3894.353	4) Maharashtra Net	53.220	2111.579
B) 1) APML	40.456	1337.775	5) Goa (Amona)	-0.632	-15.240
2) JSWEL	18.445	608.824	6) TAPS 1&2 Injection	3.675	100.160
3) VIPL	10.136	269.434	7) RGPPL Injection	6.357	176.379
4) RPL(AMT)	24.692	613.849	8) Pench (MS)	0.376	6.126
5) WPCL	5.636	150.532	9) Pench (Excess)	-0.376	-6.126
6) Other IPP	10.948	305.920	Total	58.549	2589.302
C) 1) TPCL Thermal	12.405	386.508	a) Mumbai Schedule	15.803	474.451
2) TPCL Hydro	2.715	72.606	b) Mumbai Drawl	18.002	607.698
3) TPCL Gas	3.800	89.496	c) MSEDCL Bilateral *	2.744	599.243
4) R-INFRA Thermal	9.873	281.156	Include PX	-21.599	-142.581
D) STATE			d) Mumbai Bilateral *	15.803	474.451
1) Thermal	255.505	7399.353	Include PX	-0.359	9.832
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.265	291.195	H) ENERGY CATERED (MUs)		
3) Gas	10.818	319.905	1) MSEDCL	313.553	9397.069
4) Wind	23.954	202.586	2) Mumbai Discoms	46.795	1437.450
6) SOLAR	1.257	32.192	TOTAL STATE	360.348	10834.519
TOTAL STATE	301.799	8245.231			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5216	5151	5113	5114
MSPGCL Hydro	824	90	625	118
MSPGCL Gas	299	293	282	307
MSPGCL Total Generation	6339	5534	6020	5539
Central Sector Receipt	4276	4346	3185	-157
WIND	1074	1114	606	1260
CPP / IPP	4890	4751	4785	4202
SOLAR	116	190	0	0
Exchange with Mumbai	-714	-1140	-1061	-195
MSEDCL DEMAND MET	15981	14795	13535	10649
Load Shedding	13	13	13	10
MSEDCL DEMAND	15994	14808	13548	10659
TPCL GENERATION	1108	901	920	652
R-INFRA GENERATION	439	403	403	404
MUMBAI DEMAND	2261	2444	2384	1251
STATE DEMAND MET	18242	17239	15919	11900
STATE DEMAND	18255	17252	15932	11910
Frequency (Hz)	49.88	49.95	49.97	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 05:01 Hrs	49.69 Hz at 09:17 Hrs	49.97	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 28/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.90	79.21	125	118
Unit 6	0.00	0.00	0	0
Unit 7	3.70	84.87	170	137
Unit 8	11.68	254.21	498	471
Total	18.27	418.29		
Bhusawal				
Unit 2	4.16	96.47	180	165
Unit 3	4.13	115.28	175	170
Unit 4	9.64	291.28	435	380
Unit 5	9.80	282.60	435	395
Total	27.72	785.63		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.06	83.90	134	123
Unit 3	4.12	120.16	180	165
Unit 4	4.05	122.22	178	160
Unit 5	0.00	244.75	0	0
Unit 6	9.21	146.80	390	365
Unit 7	9.62	275.19	421	381
Total	30.06	993.02		
Paras				
Unit 3	4.67	130.69	207	186
Unit 4	4.66	131.44	210	184
Total	9.34	262.12		
Khaparkheda				
Unit 1	3.62	106.58	165	130
Unit 2	3.82	104.66	170	145
Unit 3	4.06	104.08	176	163
Unit 4	3.91	94.89	170	158
Unit 5	8.86	240.40	385	360
Total	24.27	650.60		
Nasik				
Unit 3	4.39	96.10	190	170
Unit 4	4.36	110.11	187	172
Unit 5	4.50	129.48	194	174
Total	13.25	335.69		
Uran				
All Units	7.02	230.41	311	264
Total	7.02	230.41		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.38	6.13	50	0
Total	0.38	6.13		
Koyna				
Stage 1-2	3.13	66.42	470	40
Stage 4	0.32	20.69	200	0
Stage 3	0.81	19.23	140	0
Total	4.26	106.33		
Hydro				
KDPH	0.20	14.42	19	0
VTRNA	0.58	15.68	61	0
TILLARI	0.12	2.66	61	0
BHTGR/VEER	0.05	1.28	3	2
BHIRA T.R.	0.07	4.26	40	0
RNGR+BHTSA	0.24	7.23	14	0
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.84	21.56	36	35
GHATGHAR	1.19	34.74	198	0
Total	3.29	112.26		
Wind				
Total	23.95	202.59	0	0
Total	23.95	202.59		
CPP				
APML(Mus)	40.46	1337.78	0	0
JSWEL(Mus)	18.44	608.82	0	0
VIPL(Mus)	10.14	269.43	0	0
RPLAMT(Mus)	24.69	613.85	0	0
WPCL(Mus)	5.64	150.53	0	0
Other(Mus)	10.95	305.92	0	0
Total	110.31	3286.33		
SOLAR				
Total	1.26	32.19	0	0
Total	1.26	32.19		
Tata				
Trombay 5	7.58	239.93	317	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.31	53.06	115	70
Trombay 7B	1.49	36.44	69	54
Trombay 8	4.82	146.58	202	199
TATA Hydro	2.72	72.61	408	0
Total	18.92	548.61		
R-INFRA				
1-2	9.87	281.16	515	401
Total	9.87	281.16		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	122.91	3445.36
MSPGCL Thml+Gas	129.93	3675.76

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.55	218.59
MSPGCL Total	137.48	3894.35

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.45	87.11
State Total	301.80	8245.23

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Dec/2015

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	5094	116	307	5517	1533	4196	0	402	109	-387	10968	19	10987	1438	12425	50.02
2	5098	110	298	5506	1300	4205	0	384	-40	-259	10712	10	10722	1312	12034	50.07
3	5114	118	307	5539	1260	4202	0	384	-157	-195	10649	10	10659	1251	11910	50.03
4	5106	113	308	5527	1196	4219	0	402	-42	-171	10729	10	10739	1222	11961	49.99
5	5112	288	297	5697	1149	4249	0	396	163	-191	11067	10	11077	1238	12315	50.01
6	5114	228	309	5651	1228	4220	0	1046	1524	-300	12323	13	12336	1347	13683	49.99
7	5147	539	302	5988	1194	4278	0	1819	1947	-426	12981	13	12994	1492	14486	49.94
8	5211	523	301	6035	1209	4453	14	3422	3417	-569	14559	13	14572	1660	16232	49.90
9	5171	291	305	5767	1099	4656	73	4106	4398	-899	15094	13	15107	2008	17115	49.89
10	5216	824	299	6339	1074	4890	116	3710	4276	-714	15981	13	15994	2261	18255	49.88
11	5225	536	280	6041	1093	4859	158	4212	4424	-938	15637	13	15650	2438	18088	49.98
12	5233	330	288	5851	1062	4765	178	4304	4370	-1088	15138	13	15151	2456	17607	49.98
13	5151	90	293	5534	1114	4751	190	4181	4346	-1140	14795	13	14808	2444	17252	49.95
14	5060	90	271	5421	1006	4746	180	3601	3974	-1040	14286	16	14302	2326	16628	49.96
15	5052	276	292	5620	942	4744	158	3409	3709	-975	14198	13	14211	2312	16523	49.92
16	5058	440	276	5774	877	4757	119	3412	3672	-957	14242	13	14255	2304	16559	49.95
17	5076	445	264	5785	796	4751	59	3208	3338	-992	13737	13	13750	2309	16059	49.93
18	5044	385	282	5711	615	4768	12	2634	2814	-1064	12856	13	12869	2329	15198	49.99
19	5113	625	282	6020	606	4785	0	3238	3185	-1061	13535	13	13548	2384	15932	49.97
20	5137	404	283	5824	690	4759	0	3476	3201	-1049	13425	13	13438	2353	15791	49.99
21	5106	336	284	5726	736	4766	0	3040	2772	-1102	12898	13	12911	2225	15136	50.01
22	5093	148	311	5552	731	4782	0	1674	1554	-1023	11596	13	11609	2089	13698	49.99
23	5080	213	288	5581	715	4764	0	1553	1019	-816	11263	13	11276	1892	13168	49.93
24	5103	82	291	5476	729	4749	0	1463	576	-646	10884	13	10897	1705	12602	50.03
MUs	122.91	7.55	7.02	137.48	23.95	110.31	1.26	59.48	58.55	-18.00	313.55	0.31	313.86	46.80	360.66	49.97

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Dec/2015

Position as on 6.30 Hrs of 29/Dec/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
CPP	WPCL U-1	135	23/10/2015	17.31	28/12/2015	02.16	ESP filter problem	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
IPP	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
IPP	JSW (J) U3	300	23/12/2015	13.18		Continued.	Economic shutdown	
IPP	Adani U-5	660	24/12/2015	17.40	28/12/2015	06.34	Leakage in HRH Line	
MSPGCL	Uran Unit 6	108	26/12/2015	22.16		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50		Continued.	Capital Overhaul.	
IPP	WPCL U-3	135	29/12/2015	05.56		Continued.	PA Fan problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 29/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Dabhol Nagothane II	InterState	25/12/2015	02.30		Continued.	T	Over Voltage
Kolhapur Solapur (PG) II	InterState	27/12/2015	16.10	28/12/2015	09.21	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	27/12/2015	17.02	28/12/2015	08.09	T	Over Voltage
Akola Aurangabad(PG) II	InterState	28/12/2015	10.54	28/12/2015	11.56	T	DT Recived, Main & Tie Breaker Trip.
Dabhol Newkoyna li	InterState	28/12/2015	10.58	28/12/2015	19.17	PO	R.M.Work (RFC 19:17)
Kolhapur Solapur (PG) II	InterState	28/12/2015	17.11		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/12/2015	17.18		Continued.	T	Over Voltage
Dhule Sar'Sarovar II	InterState	28/12/2015	17.18	28/12/2015	17.42	T	Over Voltage
Parli(MS)-Parli (PG) I	InterState	28/12/2015	19.00	28/12/2015	23.03	PO	Attending Hot Spot
Babhaleshwar-Taptitanda ckt-I	IntraState	19/12/2015	07.28		Continued.	HT	Over Voltage (RFC 17.58 Hrs)
Akola II - Taptitanda ckt-I	IntraState	22/12/2015	12.15		Continued.	PO	change over & availed outage(RFC 17.20Hrs)
karad -kolhapur-II	IntraState	24/12/2015	15.57		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	24/12/2015	16.04		Continued.	HT	Over Voltage
Padghe - Nagothane - I	IntraState	27/12/2015	01.58	28/12/2015	09.01	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/12/2015	09.06	28/12/2015	10.06	T	Distance Protection
Bhusawal-Aurangabad	IntraState	27/12/2015	17.10	28/12/2015	07.10	HT	Over Voltage
Chandrapur2-Parali 2 ckt1	IntraState	28/12/2015	09.43	28/12/2015	18.30	PO	Fixing & Replacement of broken specers & Vibration dampers
Bhusawal-Aurangabad	IntraState	28/12/2015	17.32		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/12/2015	19.48		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	23/12/2015	15.55		Continued.	PO	Y & B Phase Unit replacement(For 10days)
400/220/33 315MVA ICT-III @Khadka	IntraState	28/12/2015	11.47	28/12/2015	13.59	PO	Attending Hot Spot
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing work
Nasik Navsari II	InterState	28/12/2015	09.30	28/12/2015	18.30	PO	Insulator Replacement Work
Nasik Navsari I	InterState	28/12/2015	14.56	28/12/2015	15.36	T	Bus Bar Optd at Nashik OCR.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Wadkhal - Ndil3	IntraState	14/11/2015	10.58		Continued.	PO	Strengthening work
Ghodbunder - Versova	IntraState	07/12/2015	08:45	28/12/2015	16.11	PO	Modification of existing towers from broad based to narrow based towers in MBMC area
Ghodbunder - Gorai	IntraState	09/12/2015	08:18	28/12/2015	16.45	PO	Modification of existing towers from broad based to narrow based towers in MBMC area
Boisar(M) - Ghodbunder	IntraState	16/12/2015	08.29		Continued.	PO	Tower Erection and Stringing work
Wadkhal - Ipcl 2	IntraState	19/12/2015	11.00		Continued.	PO	Conductor Replacement Work With High Amacity Conductor.
Wadkhal - Ndil 2	IntraState	23/12/2015	10.55		Continued.	PO	Strengthening work
Trombay Carnac 6	IntraState	25/12/2015	19.19		Continued.	HT	Over Voltage

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 29/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Halkarni-Mahalaxmiline	IntraState	28/12/2015	09.08	28/12/2015	18.31	T	cleaning of polluted insulator string
Karad(400kv) - Wathar	IntraState	28/12/2015	10.39	28/12/2015	17.37	PO	Quarterly Maintainance Work
Loteparshuram- Dasturi Line	IntraState	28/12/2015	12.30	28/12/2015	17.40	PO	Attending Oil Leakage
Eklahara(Ocr)-Raymond (Padagha-I)	IntraState	28/12/2015	14.56	28/12/2015	16.11	T	Due to Bus Bar Optd at OCR.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/132 KV ICT III @ Nasik OCR	IntraState	28/12/2015	14.56	28/12/2015	15.44	T	Due to Bus Bar Optd at OCR.
220/132 kv 200MVA ICT-V @ Nashik	IntraState	28/12/2015	14.56	28/12/2015	16.12	T	Due to Bus Bar Optd at OCR.
220kv 200MVA ICT IV @ OCR Nashik	IntraState	28/12/2015	14.56	28/12/2015	15.47	T	Due to Bus Bar Optd at OCR.

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage