

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Dec/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.254	1364.495	1) Gujrat	-2.391	10.296
2) Hydro	7.343	105.857	2) Madhya Pradesh	7.076	85.990
3) Gas	7.327	106.058	3) Chattisgarh	4.520	64.140
Total MSPGCL	137.924	1576.410	4) Maharashtra Net	87.100	995.387
B) 1) APMIL	53.586	614.071	5) Goa (Amona)	-0.490	-6.446
2) JSWEL	23.060	270.518	6) TAPS 1&2 Injection	3.606	42.785
3) VIPL	5.431	115.157	7) RGPPL Injection	6.433	75.881
4) RPL(AMT)	19.884	254.183	8) Pench (MS)	0.115	2.591
5) WPCL	4.699	64.259	9) Pench (Excess)	-0.115	-2.591
6) Other IPP	10.989	132.493	Total	105.739	1265.442
C) 1) TPCL Thermal	14.198	175.273	a) Mumbai Schedule	15.021	236.393
2) TPCL Hydro	2.950	32.096	b) Mumbai Drawl	20.922	300.943
3) TPCL Gas	2.175	40.727	c) MSEDCL Bilateral *	26.437	310.735
4) R-INFRA Thermal	9.678	124.090	Include PX	-2.058	-10.612
D) STATE			d) Mumbai Bilateral *	15.021	236.393
1) Thermal	264.779	3114.539	Include PX	4.543	10.886
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.293	137.953	H) ENERGY CATERED (MUs)		
3) Gas	9.502	146.785	1) MSEDCL	344.710	4085.669
4) Wind	3.162	80.657	2) Mumbai Discoms	49.923	673.126
6) SOLAR	1.158	13.422	TOTAL STATE	394.633	4758.795
TOTAL STATE	288.894	3493.356			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5231	5190	5125	5073
MSPGCL Hydro	626	256	314	146
MSPGCL Gas	297	297	305	311
MSPGCL Total Generation	6154	5743	5744	5530
Central Sector Receipt	5437	5196	5243	3107
WIND	26	51	104	260
CPP / IPP	5416	5628	4820	4414
SOLAR	157	173	0	0
Exchange with Mumbai	-887	-985	-1240	-554
MSEDCL DEMAND MET	16303	15806	14671	12757
Load Shedding	20	20	12	16
MSEDCL DEMAND	16323	15826	14683	12773
TPCL GENERATION	1153	1073	819	609
R-INFRA GENERATION	403	405	405	402
MUMBAI DEMAND	2443	2463	2464	1565
STATE DEMAND MET	18746	18269	17135	14322
STATE DEMAND	18766	18289	17147	14338
Frequency (Hz)	49.95	49.90	49.93	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 06:01 Hrs	49.72 Hz at 09:26 Hrs	49.93	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 12/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.85	34.19	122	114
Unit 6	0.00	0.00	0	0
Unit 7	3.66	25.12	165	138
Total	6.51	59.31		
Bhusawal				
Unit 2	4.22	49.24	180	170
Unit 3	4.25	49.14	185	170
Unit 4	8.38	124.08	435	230
Unit 5	9.05	126.59	450	300
Total	25.89	349.04		
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	2.95	35.27	130	117
Unit 3	4.43	51.68	204	169
Unit 4	4.46	52.71	200	173
Unit 5	9.29	113.09	420	365
Unit 6	0.23	0.35	112	0
Unit 7	9.92	118.15	427	395
Total	31.27	371.25		
Paras				
Unit 3	3.90	57.89	225	0
Unit 4	5.19	54.14	242	177
Total	9.09	112.03		
Khaparkheda				
Unit 1	3.88	45.48	175	140
Unit 2	3.96	45.58	170	160
Unit 3	4.40	44.06	189	177
Unit 4	3.90	31.48	165	159
Unit 5	10.06	113.84	485	374
Total	26.20	280.44		
Nasik				
Unit 3	4.46	24.04	195	170
Unit 4	4.50	48.62	193	174
Unit 5	4.68	55.62	202	191
Total	13.63	128.28		
Uran				
All Units	7.33	106.06	323	287
Total	7.33	106.06		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.12	2.59	23	0
Total	0.12	2.59		
Koyna				
Stage 1-2	2.24	29.31	190	40
Stage 4	0.00	14.41	0	0
Stage 3	1.34	9.80	160	0
Total	3.59	53.52		
Hydro				
KDPH	0.44	7.28	19	18
VTRNA	0.58	6.61	61	0
TILLARI	0.00	1.93	0	0
BHTGR/VEER	0.06	0.55	3	2
BHIRA T.R.	0.20	1.67	40	0
RNGR+BHTSA	0.26	2.73	11	10
BHANDARDRA	0.48	5.94	21	20
ELDARY	0.10	1.65	11	0
SMLHY_PTN	1.04	9.11	50	40
GHATGHAR	0.58	14.86	125	0
Total	3.75	52.33		
Wind				
Total	3.16	80.66	0	0
Total	3.16	80.66		
CPP				
APML(Mus)	53.59	614.07	0	0
JSWEL(Mus)	23.06	270.52	0	0
VIPL(Mus)	5.43	115.16	0	0
RPLAMT(Mus)	19.88	254.18	0	0
WPCL(Mus)	4.70	64.26	0	0
Other(Mus)	10.99	132.49	0	0
Total	117.65	1450.68		
SOLAR				
Total	1.16	13.42	0	0
Total	1.16	13.42		
Tata				
Trombay 5	8.88	109.64	468	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.19	24.42	50	49
Trombay 7B	0.98	16.30	42	40
Trombay 8	5.32	65.64	249	199
TATA Hydro	2.95	32.10	348	28
Total	19.32	248.10		
R-INFRA				
1-2	9.68	124.09	405	400
Total	9.68	124.09		

Infirm Power	Chandrapur 8	0.00
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	123.25	1364.50
MSPGCL Thml+Gas	130.58	1470.55

Koradi 8	10.66	
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.34	105.86
MSPGCL Total	137.92	1576.41

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.24	43.72
State Total	288.89	3493.36

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 12/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	5111	316	311	5738	363	4358	0	3085	3215	-838	12836	18	12854	1846	14700	49.94
2	5104	226	312	5642	380	4431	0	3108	3022	-685	12790	10	12800	1700	14500	49.94
3	5144	171	314	5629	313	4410	0	3116	3013	-611	12754	16	12770	1621	14391	49.97
4	5073	146	311	5530	260	4414	0	3120	3107	-554	12757	16	12773	1565	14338	49.96
5	5064	348	323	5735	184	4584	0	3150	3188	-551	13140	16	13156	1563	14719	49.94
6	5028	306	313	5647	171	4885	0	3695	3937	-637	14003	20	14023	1648	15671	49.99
7	5065	337	318	5720	65	5031	3	4494	4497	-653	14663	20	14683	1728	16411	49.95
8	5215	366	312	5893	51	5250	11	4869	5191	-660	15736	20	15756	1827	17583	49.92
9	5201	523	309	6033	27	5280	67	5062	5247	-722	15932	20	15952	1941	17893	49.84
10	5161	592	302	6055	25	5302	126	5153	5207	-835	15880	20	15900	2249	18149	49.84
11	5231	626	297	6154	26	5416	157	5280	5437	-887	16303	20	16323	2443	18766	49.95
12	5186	516	295	5997	26	5633	168	5351	5107	-946	15985	20	16005	2465	18470	49.91
13	5190	256	297	5743	51	5628	173	5360	5196	-985	15806	20	15826	2463	18289	49.90
14	5221	139	291	5651	60	5509	163	5257	5117	-957	15543	22	15565	2351	17916	49.92
15	5226	159	287	5672	67	5403	143	5249	5138	-947	15476	12	15488	2346	17834	49.94
16	5162	204	290	5656	78	5387	102	5221	5146	-904	15465	12	15477	2328	17805	49.90
17	5061	255	300	5616	77	5296	39	4857	4708	-952	14784	12	14796	2320	17116	49.89
18	5104	345	306	5755	70	5074	6	4229	4089	-1057	13937	12	13949	2310	16259	49.94
19	5125	314	305	5744	104	4820	0	5070	5243	-1240	14671	12	14683	2464	17147	49.93
20	5310	289	303	5902	153	4534	0	5079	4917	-1227	14279	12	14291	2438	16729	49.91
21	5172	204	307	5683	169	4446	0	4664	4707	-1199	13806	12	13818	2288	16106	49.94
22	4978	322	308	5608	155	4254	0	3764	3918	-1166	12769	12	12781	2208	14989	49.98
23	5072	235	308	5615	165	4141	0	3438	3661	-862	12720	12	12732	1922	14654	49.94
24	5050	148	308	5506	122	4165	0	3686	3731	-847	12677	12	12689	1889	14578	49.95
MUs	123.25	7.34	7.33	137.92	3.16	117.65	1.16	105.36	105.74	-20.92	344.71	0.38	345.09	49.92	395.01	49.93

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 12/Dec/2015

Position as on 6.30 Hrs of 13/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		Continued.	ESP filter problem	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
IPP	RPL(AMT) U-4	270	18/11/2015	11.48	12/12/2015	23.06	PA Fan problem	
IPP	Adani U-5	660	22/11/2015	08.55		Continued.	Leakage tube oil system	
MSPGCL	Uran Unit B0	120	09/12/2015	12.34		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	09/12/2015	12.42		Continued.	Gas shortage	
IPP	VIPL U-2	300	09/12/2015	23.51		Continued.	Inspection and Testing of U-2 Boiler	
MSPGCL	Chandrapur Unit 6	500	11/12/2015	11.05	12/12/2015	21.45	Turbine Vibration High.	
MSPGCL	Paras Unit 3	250	12/12/2015	20.40	13/12/2015	16.57	Main Steam Line Leakage.	
IPP	RPL(AMT) U-5	270	12/12/2015	21.29		Continued.	Cooling Water Line Leakage.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 13/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							
Dhule Sar'Sarovar I	InterState	11/12/2015	17.14	12/12/2015	06.53	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	11/12/2015	22.14	12/12/2015	07.01	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	12/12/2015	09.34	12/12/2015	20.48	PO	Insulator Disc Replacement.
Kolhapur Solapur(PG) I	InterState	12/12/2015	18.07	13/12/2015	07.25	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	12/12/2015	19.57	13/12/2015	06.48	T	Over Voltage
Talegaon(Pg) Padgha	InterState	13/12/2015	08.48	13/12/2015	18.17	PO	Line Maintenance work
Dhule Sar'Sarovar I	InterState	13/12/2015	13.40		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	13/12/2015	17.13		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	06/10/2015	09.44		Continued.	HT	For Controlling Line Loading.
Babhaleshwar-Taptitanda ckt-II	IntraState	10/12/2015	06.37		Continued.	PO	Line Rectification work(RFC 17.27Hrs)
New Koyna -Koyna Stage IV-I	IntraState	11/12/2015	08.52	12/12/2015	10.11	PO	CVT Replacement Work.(RFC @ 22.30 Hrs)
karad -kolhapur-II	IntraState	11/12/2015	16.05	12/12/2015	09.15	HT	Over Voltage
Karad - Jaigad - II	IntraState	11/12/2015	16.41	12/12/2015	09.19	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	11/12/2015	17.16	12/12/2015	07.51	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	11/12/2015	21.18	12/12/2015	07.29	HT	Over Voltage
Karad - Lonikand 1	IntraState	12/12/2015	10.02		Continued.	PO	Insulator Disc Replacement.
karad -kolhapur-I	IntraState	12/12/2015	16.09	13/12/2015	09.00	HT	Over Voltage
Karad-Jaigad - I	IntraState	12/12/2015	17.01	13/12/2015	10.00	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	12/12/2015	17.08	13/12/2015	06.49	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	13/12/2015	11.52	13/12/2015	12.20	T	Distance Protection
karad -kolhapur-II	IntraState	13/12/2015	16.04		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	13/12/2015	16.11		Continued.	T	Over Voltage
Bhusawal-Aurangabad	IntraState	13/12/2015	16.35		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
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	12/12/2015	08.29	12/12/2015	18.24	PO	Insulator String Replacement.
Mahalakshmi Amona	InterState	13/12/2015	15.40	13/12/2015	17.30	T	Tripped form amona end only while bus fault at halkarni
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.
Wadkhil - Ipcl 1	IntraState	06/11/2015	11.50		Continued.	PO	Replacement of Conductors (for 15 Days).
Aarey Saki Line 2	IntraState	12/12/2015	06.12	12/12/2015	08.07	PO	Testing Work
Chandrapur GCR - Cpur Rly Tss 2	IntraState	12/12/2015	09.48	12/12/2015	14.04	PO	Measurment of Tandelta of CT.
New Koyna - Pedambe	IntraState	12/12/2015	10.22	12/12/2015	21.33	PO	Retrofitting of Back up Relay.
Karad - Kadegaon	IntraState	12/12/2015	10.45	12/12/2015	15.40	PO	Hot Line Work.
Talandge-Hamidwada	IntraState	12/12/2015	11.27	12/12/2015	17.09	PO	Insulator Cleaning Work.
Dahanu Versova	IntraState	12/12/2015	22.50	13/12/2015	03.08	PO	CVT Replacement Work.
Boisar Versova Line	IntraState	13/12/2015	07.48	13/12/2015	09.36	PO	Attending Hot Spot
REL Borivali MSETCL Borivali Line-2	IntraState	13/12/2015	10.05	13/12/2015	12.15	PO	Tightening of nut bolt in link boxes

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 12/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 13/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							& sheath earthing
Kalwa - Colourchem	IntraState	13/12/2015	13.50	13/12/2015	14.00	T	Distance Protection
Halkarni-Mahalaxmiline	IntraState	13/12/2015	15.40		Continued.	T	R-ph C.T.burst
Mumewadi -Halkarni II	IntraState	13/12/2015	15.40	13/12/2015	16.07	T	Bus Fault at Halakarni
Mumewadi -Halkarni I	IntraState	13/12/2015	15.40	13/12/2015	16.07	T	Bus Fault at Halakarni
Halkarni - Tillari II	IntraState	13/12/2015	15.40	13/12/2015	16.08	T	Bus Fault at Halakarni
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 150 MVA ICT II @ Eklahre-Nashik (Gcr)	IntraState	12/12/2015	09.40	12/12/2015	15.18	PO	Attending Hot Spot
220/132 Kv 150 MVA ICT @Boisar-II	IntraState	12/12/2015	10.09	12/12/2015	15.44	PO	Testing Work
220/132 Kv 200 Mva Vijay Ict 1 @Chalisingaon	IntraState	12/12/2015	10.41	12/12/2015	12.25	PO	Attending Oil Leakage from Tertiary Bushing.
220/22 Kv 50 Mva Imp Ptr 2 @Airoli Knowledge Park	IntraState	12/12/2015	12.00	12/12/2015	17.10	PO	To Attend LV Bushing Oil Leakage.
220/22 Kv 50 Mva Imp Ptr 1 @Airoli Knowledge Park	IntraState	13/12/2015	11.30	13/12/2015	11.45	T	discom feeder fault
220/33kv 100 Mva Transformer 3 @Ghodbunder R/S	IntraState	13/12/2015	11.58	13/12/2015	14.22	PO	Annual Maintenance Work

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