

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Dec/2015 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	127.016	2937.237	1) Gujrat	-4.965	-21.162
2) Hydro	9.383	191.356	2) Madhya Pradesh	4.808	150.114
3) Gas	7.416	197.413	3) Chattisgarh	4.770	113.780
Total MSPGCL	143.815	3326.006	4) Maharashtra Net	62.840	1904.859
B) 1) APML	42.196	1198.000	5) Goa (Amona)	-0.582	-12.864
2) JSWEL	19.008	535.830	6) TAPS 1&2 Injection	3.709	85.346
3) VIPL	10.127	228.909	7) RGPPL Injection	6.320	151.125
4) RPL(AMT)	25.307	514.473	8) Pench (MS)	0.080	4.993
5) WPCL	5.464	131.113	9) Pench (Excess)	-0.080	-4.993
6) Other IPP	11.071	262.121	Total	76.820	2366.205
C) 1) TPCL Thermal	12.451	336.985	a) Mumbai Schedule	14.841	418.915
2) TPCL Hydro	3.510	66.998	b) Mumbai Drawl	15.510	546.610
3) TPCL Gas	3.670	74.345	c) MSEDCL Bilateral *	14.623	574.946
4) R-INFRA Thermal	9.728	242.182	Include PX	-8.112	-73.745
D) STATE			d) Mumbai Bilateral *	14.841	418.915
1) Thermal	262.368	6386.850	Include PX	-0.464	12.324
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	12.893	258.354	H) ENERGY CATERED (MUs)		
3) Gas	11.086	271.758	1) MSEDCL	326.994	8176.039
4) Wind	7.519	132.715	2) Mumbai Discoms	44.869	1267.107
6) SOLAR	1.177	27.277	TOTAL STATE	371.863	9443.146
TOTAL STATE	295.043	7076.954			

* 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 24 Hrs
MSPGCL Thermal	5331	5296	5455	5167
MSPGCL Hydro	846	610	798	99
MSPGCL Gas	322	292	308	312
MSPGCL Total Generation	6499	6198	6561	5578
Central Sector Receipt	4891	4528	2961	1258
WIND	286	137	348	803
CPP / IPP	4800	4798	4826	4297
SOLAR	142	164	1	0
Exchange with Mumbai	-734	-781	-1092	-514
MSEDCL DEMAND MET	15884	15044	13605	11422
Load Shedding	11	11	12	12
MSEDCL DEMAND	15895	15055	13617	11434
TPCL GENERATION	1157	1094	809	701
R-INFRA GENERATION	406	406	405	405
MUMBAI DEMAND	2297	2281	2306	1620
STATE DEMAND MET	18181	17325	15911	13042
STATE DEMAND	18192	17336	15923	13054
Frequency (Hz)	49.91	49.89	49.97	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 06.02 Hrs	49.69 Hz at 08.54 Hrs	49.95	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 24/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.89	67.64	124	115
Unit 6	0.00	0.00	0	0
Unit 7	3.82	70.16	175	133
Unit 8	12.03	208.35	586	485
Total	18.74	346.15		
Bhusawal				
Unit 2	4.02	80.01	175	160
Unit 3	4.11	98.82	180	165
Unit 4	10.27	251.55	460	410
Unit 5	10.26	252.64	475	405
Total	28.66	683.02		
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	3.03	71.73	131	121
Unit 3	4.22	103.44	182	164
Unit 4	4.38	105.52	190	177
Unit 5	9.06	220.03	385	370
Unit 6	9.42	109.92	400	369
Unit 7	9.80	236.54	420	397
Total	39.90	847.17		
Paras				
Unit 3	5.06	111.01	233	198
Unit 4	4.96	112.04	221	200
Total	10.02	223.06		
Khaparkheda				
Unit 1	3.78	91.39	170	140
Unit 2	4.24	90.16	190	165
Unit 3	4.06	87.99	174	162
Unit 4	3.89	79.33	168	156
Unit 5	0.00	206.91	0	0
Total	15.98	555.79		
Nasik				
Unit 3	4.57	78.28	200	185
Unit 4	4.53	92.58	193	177
Unit 5	4.62	111.18	200	183
Total	13.72	282.05		
Uran				
All Units	7.42	197.41	335	287
Total	7.42	197.41		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.08	4.99	42	0
Total	0.08	4.99		
Koyna				
Stage 1-2	2.97	57.04	365	40
Stage 4	0.62	19.04	254	0
Stage 3	1.19	16.90	160	0
Total	4.78	92.98		
Hydro				
KDPH	0.44	12.89	19	18
VTRNA	0.56	13.35	61	0
TILLARI	0.00	2.41	0	0
BHTGR/VEER	0.05	1.08	3	2
BHIRA T.R.	0.15	3.85	40	0
RNGR+BHTSA	0.25	6.27	13	0
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.89	18.37	38	37
GHATGHAR	2.26	29.73	250	0
Total	4.60	98.38		
Wind				
Total	7.52	132.72	0	0
Total	7.52	132.72		
CPP				
APML(Mus)	42.20	1198.00	0	0
JSWEL(Mus)	19.01	535.83	0	0
VIPL(Mus)	10.13	228.91	0	0
RPLAMT(Mus)	25.31	514.47	0	0
WPCL(Mus)	5.46	131.11	0	0
Other(Mus)	11.07	262.12	0	0
Total	113.17	2870.45		
SOLAR				
Total	1.18	27.28	0	0
Total	1.18	27.28		
Tata				
Trombay 5	7.62	209.65	321	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.27	43.84	115	50
Trombay 7B	1.40	30.50	68	40
Trombay 8	4.83	127.34	203	200
TATA Hydro	3.51	67.00	455	23
Total	19.63	478.33		
R-INFRA				
1-2	9.73	242.18	409	401
Total	9.73	242.18		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	127.02	2937.24
MSPGCL Thml+Gas	134.43	3134.65

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	9.38	191.36
MSPGCL Total	143.82	3326.01

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.59	76.08
State Total	295.04	7076.95

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/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	5272	121	317	5710	167	4761	0	2219	2350	-517	12471	18	12489	1530	14019	49.94
2	5279	116	316	5711	156	4765	0	2076	2057	-363	12326	11	12337	1376	13713	49.96
3	5300	116	327	5743	198	4762	0	1986	1742	-300	12145	11	12156	1309	13465	49.98
4	5267	116	318	5701	293	4784	0	1786	1582	-258	12102	11	12113	1272	13385	49.98
5	5262	121	329	5712	331	4764	0	1835	1852	-277	12382	11	12393	1287	13680	49.96
6	5245	116	319	5680	364	4744	0	3103	2419	-379	12828	11	12839	1388	14227	49.99
7	5295	121	335	5751	394	4741	0	3924	3468	-497	13857	11	13868	1507	15375	49.99
8	5313	764	320	6397	370	4821	15	3471	3699	-423	14879	11	14890	1643	16533	49.89
9	5329	738	312	6379	338	5055	63	4426	4189	-575	15449	11	15460	1872	17332	49.85
10	5285	767	316	6368	300	4824	111	4659	4735	-714	15624	11	15635	2167	17802	49.90
11	5331	846	322	6499	286	4800	142	4679	4891	-734	15884	11	15895	2297	18192	49.91
12	5286	829	301	6416	241	4790	183	4692	4523	-772	15381	11	15392	2299	17691	49.96
13	5296	610	292	6198	137	4798	164	4486	4528	-781	15044	11	15055	2281	17336	49.89
14	5327	525	290	6142	92	4771	184	4478	4232	-756	14665	12	14677	2156	16833	49.99
15	5340	407	287	6034	39	4770	147	4491	4382	-790	14582	12	14594	2152	16746	49.95
16	5313	342	300	5955	52	4780	106	4485	4453	-702	14644	12	14656	2158	16814	49.91
17	5303	520	302	6125	85	4762	50	4142	3880	-770	14132	12	14144	2166	16310	49.91
18	5258	644	289	6191	196	4678	11	3107	2938	-898	13116	12	13128	2194	15322	49.99
19	5455	798	308	6561	348	4826	1	3743	2961	-1092	13605	12	13617	2306	15923	49.97
20	5399	179	302	5880	407	4796	0	4138	3499	-1157	13425	12	13437	2301	15738	49.95
21	5239	159	301	5699	523	4406	0	3559	3318	-834	13112	12	13124	1967	15091	49.93
22	5233	169	307	5709	693	4361	0	2701	2353	-783	12333	12	12345	1887	14232	50.03
23	5222	160	294	5676	706	4316	0	2302	1511	-624	11585	12	11597	1734	13331	49.99
24	5167	99	312	5578	803	4297	0	1841	1258	-514	11422	12	11434	1620	13054	49.98
MUs	127.0 2	9.38	7.42	143.82	7.52	113.17	1.18	82.33	76.82	-15.51	326.99	0.28	327.28	44.87	372.14	49.95

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 24/Dec/2015

Position as on 6.30 Hrs of 25/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	
MSPGCL	Koyana Unit 7	80	18/12/2015	08:25	24/12/2015	19.45	for attending lower guide bearing cooler leakage work	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPL	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	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
MSPGCL	Khaparkheda Unit 5	500	22/12/2015	12.14	25/12/2015	04.05	Boiler Tube Leakage	
MSPGCL	Uran Unit B0	120	22/12/2015	12.54		Continued.	Gas shortage	
MSPGCL	Uran Unit 8	108	22/12/2015	12.58		Continued.	Gas shortage	
IPP	JSW (J) U3	300	23/12/2015	13.18		Continued.	Economic shutdown	
IPP	Adani U-5	660	24/12/2015	17.40		Continued.	Leakage in HRH Line	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 25/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	23/12/2015	18.05	24/12/2015	07.59	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	23/12/2015	21.55	24/12/2015	07.34	HT	Over Voltage
Koradi Bhilai	InterState	24/12/2015	03.20	24/12/2015	04.29	T	Distance Protection
Dabhol Nagothane II	InterState	24/12/2015	03.30	24/12/2015	09.57	T	Over Voltage
Karad Solapur (PG)	InterState	24/12/2015	06.13	24/12/2015	09.49	T	Distance Protection
Dhule Sar'Sarovar I	InterState	24/12/2015	16.47		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	24/12/2015	20.36		Continued.	HT	Over Voltage
Dabhol Nagothane II	InterState	25/12/2015	02.30		Continued.	T	Over Voltage
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)
Padghe - Nagothane - II	IntraState	23/12/2015	09.46	24/12/2015	07.44	HT	Insulator repl.work(RFC 19.45Hrs)
karad -kolhapur-I	IntraState	23/12/2015	16.11	24/12/2015	08.55	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/12/2015	16.21	24/12/2015	09.03	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	23/12/2015	17.04	24/12/2015	08.00	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	23/12/2015	21.27	24/12/2015	08.44	HT	Over Voltage
Padghe - Nagothane - I	IntraState	24/12/2015	08.55		Continued.	PO	Insulator repl.work(RFC 18.30Hrs)
Main Bus-I @ Koradi-II	IntraState	24/12/2015	13.20	24/12/2015	20.43	PO	Dropper connection work
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
Lonikand I - Koyna stage-IV	IntraState	24/12/2015	16.28		Continued.	T	Distance Protection
Bhusawal-Aurangabad	IntraState	24/12/2015	17.14		Continued.	HT	Over Voltage
Dhule- Bableshevar - I	IntraState	25/12/2015	00.47		Continued.	T	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
400/220/33 kv 315 MVA ICT-I @Chandrapur	IntraState	23/12/2015	08.26	24/12/2015	16.04	PO	Measurement of Tan Delta of ICT Bushing(taken on TBC)
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	23/12/2015	15.55		Continued.	PO	Y & B Phase Unit replacement(For 10days)
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing work
Nasik Navsari I	InterState	24/12/2015	08.51	24/12/2015	18.30	PO	Line Maintenance work
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		Continued.	PO	Modification of existing towers from broad based to narrow based towers in MBMC area
Ghodbunder - Gorai	IntraState	09/12/2015	08:18		Continued.	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.

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 24/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 25/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Wadkhal - Ndil 2	IntraState	23/12/2015	10.55		Continued.	PO	Strengthening work
Pedambe-Nerle	IntraState	24/12/2015	08.20	24/12/2015	16.55	PO	Line Maintenance work
REL Borivali Aarey Line	IntraState	24/12/2015	14.02	24/12/2015	14.30	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/100 Kv 200 MVA ICT I @Pal-Dombivali	IntraState	25/12/2015	04.27		Continued.	T	Tripped on OLTC Buccholz Relay
132 KV LINE Outages/Trippings							
Amravati-Akola	IntraState	24/12/2015	12.57	24/12/2015	13.11	T	Distance Protection