

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 16/Dec/2015 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	138.603	1913.262	1) Gujrat	-3.679	3.002
2) Hydro	8.316	136.494	2) Madhya Pradesh	4.518	107.576
3) Gas	5.403	128.530	3) Chattisgarh	3.890	80.600
Total MSPGCL	152.322	2178.286	4) Maharashtra Net	82.146	1320.235
B) 1) APML	53.703	813.311	5) Goa (Amona)	-0.540	-8.482
2) JSWEL	23.858	363.580	6) TAPS 1&2 Injection	3.713	57.496
3) VIPL	10.471	146.985	7) RGPPL Injection	6.253	100.382
4) RPL(AMT)	22.391	340.753	8) Pench (MS)	0.270	3.184
5) WPCL	5.855	87.374	9) Pench (Excess)	-0.270	-3.184
6) Other IPP	10.792	176.150	Total	96.031	1657.625
C) 1) TPCL Thermal	14.762	233.217	a) Mumbai Schedule	16.619	296.098
2) TPCL Hydro	3.660	42.899	b) Mumbai Drawl	23.225	387.588
3) TPCL Gas	2.288	49.797	c) MSEDCL Bilateral *	25.441	415.058
4) R-INFRA Thermal	9.960	163.854	Include PX	-3.653	-20.923
D) STATE			d) Mumbai Bilateral *	16.619	296.098
1) Thermal	290.395	4238.486	Include PX	0.403	14.534
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	11.976	179.393	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	7.691	178.327	1) MSEDCL	355.729	5486.702
4) Wind	2.436	92.088	2) Mumbai Discoms	53.895	877.349
6) SOLAR	1.095	18.138	TOTAL STATE	409.624	6364.051
TOTAL STATE	313.593	4706.432			

* 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	6074	6053	5808	5586
MSPGCL Hydro	525	292	421	124
MSPGCL Gas	226	206	195	242
MSPGCL Total Generation	6825	6551	6424	5952
Central Sector Receipt	4773	4794	4440	2607
WIND	41	28	63	151
CPP / IPP	6069	5649	5200	4896
SOLAR	142	171	0	0
Exchange with Mumbai	-1146	-1150	-1339	-485
MSEDCL DEMAND MET	16704	16043	14788	13121
Load Shedding	21	21	13	18
MSEDCL DEMAND	16725	16064	14801	13139
TPCL GENERATION	1135	1229	939	623
R-INFRA GENERATION	511	418	406	406
MUMBAI DEMAND	2792	2797	2684	1514
STATE DEMAND MET	19496	18840	17472	14635
STATE DEMAND	19517	18861	17485	14653
Frequency (Hz)	49.94	49.87	49.94	49.86

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 18.01 Hrs	49.66 Hz at 06.27 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 16/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.91	44.52	125	115
Unit 6	0.00	0.00	0	0
Unit 7	3.57	39.73	180	126
Total	6.48	84.25		
Bhusawal				
Unit 2	3.75	63.75	180	100
Unit 3	4.08	65.68	175	155
Unit 4	10.96	168.00	500	415
Unit 5	10.54	168.90	510	405
Total	29.34	466.33		
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	3.02	47.42	133	104
Unit 3	4.52	69.04	210	171
Unit 4	4.43	70.42	198	172
Unit 5	9.48	150.67	420	369
Unit 6	9.71	37.71	455	358
Unit 7	9.86	157.98	431	390
Total	41.02	533.25		
Paras				
Unit 3	5.49	75.48	253	212
Unit 4	3.54	72.96	174	0
Total	9.03	148.44		
Khaparkhedha				
Unit 1	3.76	60.94	165	135
Unit 2	3.86	60.83	170	150
Unit 3	4.48	61.36	194	183
Unit 4	4.10	47.54	174	167
Unit 5	10.21	154.61	500	380
Total	26.42	385.28		
Nasik				
Unit 3	4.46	42.24	195	180
Unit 4	4.50	66.71	196	174
Unit 5	4.61	74.22	198	181
Total	13.58	183.17		
Uran				
All Units	5.40	128.53	284	193
Total	5.40	128.53		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.27	3.18	37	0
Total	0.27	3.18		
Koyna				
Stage 1-2	3.20	39.44	465	40
Stage 4	0.00	15.32	0	0
Stage 3	0.70	11.82	90	0
Total	3.90	66.58		
Hydro				
KDPH	0.88	10.21	37	36
VTRNA	0.55	8.82	61	0
TILLARI	0.00	1.93	0	0
BHTGR/VEER	0.07	0.80	3	2
BHIRA T.R.	0.19	2.31	40	0
RNGR+BHTSA	0.23	3.75	13	0
BHANDARDRA	0.48	7.96	44	10
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.78	12.37	39	29
GHATGHAR	1.23	20.12	156	0
Total	4.42	69.91		
Wind				
Total	2.44	92.09	0	0
Total	2.44	92.09		
CPP				
APML(Mus)	53.70	813.31	0	0
JSWEL(Mus)	23.86	363.58	0	0
VIPL(Mus)	10.47	146.98	0	0
RPLAMT(Mus)	22.39	340.75	0	0
WPCL(Mus)	5.86	87.37	0	0
Other(Mus)	10.79	176.15	0	0
Total	127.07	1928.15		
SOLAR				
Total	1.10	18.14	0	0
Total	1.10	18.14		
Tata				
Trombay 5	9.26	146.15	469	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.25	29.40	60	49
Trombay 7B	1.03	20.40	48	41
Trombay 8	5.51	87.07	249	199
TATA Hydro	3.66	42.90	422	0
Total	20.71	325.91		
R-INFRA				
1-2	9.96	163.85	511	402
Total	9.96	163.85		

Infirm Power	Chandrapur 8	0.00
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	138.60	1913.26
MSPGCL Thml+Gas	144.01	2041.79

Koradi 8	12.75	
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	8.32	136.49
MSPGCL Total	152.32	2178.29

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.20	54.76
State Total	313.59	4706.43

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 16/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	5559	118	253	5930	171	4946	0	2991	3156	-774	13429	19	13448	1803	15251	49.96
2	5595	124	242	5961	179	4894	0	3097	3066	-614	13486	12	13498	1643	15141	49.95
3	5585	134	243	5962	171	4886	0	2822	2753	-535	13237	18	13255	1564	14819	49.95
4	5586	124	242	5952	151	4896	0	2641	2607	-485	13121	18	13139	1514	14653	49.86
5	5592	189	243	6024	140	5122	0	2952	2977	-492	13771	18	13789	1518	15307	49.93
6	5599	211	242	6052	135	5339	0	3499	3406	-582	14350	21	14371	1633	16004	49.92
7	5589	346	241	6176	176	5371	0	4428	4415	-729	15409	21	15430	1827	17257	49.84
8	5872	565	249	6686	143	5541	9	4609	4462	-756	16085	21	16106	1984	18090	49.88
9	5975	608	258	6841	119	5733	61	4646	4626	-927	16453	21	16474	2198	18672	49.95
10	6026	557	242	6825	66	5865	115	4715	4556	-1065	16362	21	16383	2550	18933	49.91
11	6074	525	226	6825	41	6069	142	4778	4773	-1146	16704	21	16725	2792	19517	49.94
12	6034	451	206	6691	25	6004	168	4832	4636	-1117	16407	21	16428	2809	19237	49.94
13	6053	292	206	6551	28	5649	171	4826	4794	-1150	16043	21	16064	2797	18861	49.87
14	5989	277	207	6473	32	5534	154	4761	4682	-1153	15722	22	15744	2665	18409	49.98
15	5969	292	206	6467	43	5542	149	4749	4955	-1173	15983	13	15996	2687	18683	49.93
16	5973	442	198	6613	46	5555	82	4750	4952	-1160	16088	13	16101	2680	18781	49.96
17	5816	388	195	6399	58	5528	42	4560	4460	-1170	15317	13	15330	2664	17994	49.91
18	5768	640	195	6603	63	5292	2	3601	3871	-1257	14574	13	14587	2643	17230	49.94
19	5808	421	195	6424	63	5200	0	4643	4440	-1339	14788	13	14801	2684	17485	49.94
20	5783	337	226	6346	78	5102	0	4797	4403	-1263	14666	13	14679	2594	17273	49.95
21	5769	356	197	6322	95	4806	0	3898	4091	-1231	14083	13	14096	2417	16513	49.94
22	5682	444	193	6319	112	4723	0	3288	3350	-1186	13318	13	13331	2282	15613	49.99
23	5567	288	214	6069	140	4772	0	3321	3078	-1057	13002	13	13015	2073	15088	49.96
24	5340	187	284	5811	161	4703	0	2989	3522	-864	13333	13	13346	1874	15220	49.97
MUs	138.60	8.32	5.40	152.32	2.44	127.07	1.10	96.19	96.03	-23.22	355.73	0.40	356.13	53.89	410.03	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 16/Dec/2015

Position as on 6.30 Hrs of 17/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	
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	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
MSPGCL	Bhusawal Unit 2	210	15/12/2015	14.00	16/12/2015	00.13	Attending B ph CT Hot spot of GT2	
IPP	RPL(AMT) U-2	270	16/12/2015	12.18		Continued.	Bottom Ash Problem	
MSPGCL	Paras Unit 4	250	16/12/2015	23.01		Continued.	Bunkering problem	
IPP	Adani U-5	660	16/12/2015	23.56		Continued.	Generator Prot.operated	
MSPGCL	Bhusawal Unit 2	210	17/12/2015	01.10		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 16/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 17/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	15/12/2015	19.16	16/12/2015	06.41	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	15/12/2015	21.38	16/12/2015	06.23	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	16/12/2015	17.30		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	16/12/2015	22.08	17/12/2015	06.51	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)
Karad - Lonikand 1	IntraState	12/12/2015	10.02	16/12/2015	18.46	PO	Insulator Disc Replacement.
karad -kolhapur-II	IntraState	15/12/2015	16.07	16/12/2015	09.08	HT	Over Voltage
Karad - Jaigad - II	IntraState	15/12/2015	16.29	16/12/2015	09.13	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	15/12/2015	20.57	16/12/2015	07.09	HT	Over Voltage
karad -kolhapur-I	IntraState	16/12/2015	16.34	17/12/2015	07.18	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	16/12/2015	17.10	17/12/2015	06.51	HT	Over Voltage
Karad-Jaigad - I	IntraState	16/12/2015	17.12	17/12/2015	07.24	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	16/12/2015	21.58		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	14/12/2015	09.21		Continued.	PO	Insulator Replacement Work
Nasik Navsari II	InterState	14/12/2015	09.38		Continued.	PO	Insulator Replacement Work
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing 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.
Wadkhali - Ipcl 1	IntraState	06/11/2015	11.50		Continued.	PO	Replacement of Conductors (for 15 Days).
Pandharpur - Hiwarwada	IntraState	16/12/2015	00.02	16/12/2015	00.15	T	Distance Protection
Theur-Jejuri	IntraState	16/12/2015	05.00	16/12/2015	13.30	T	Distance Protection
Boisar(M) - Ghodbunder	IntraState	16/12/2015	08.29		Continued.	PO	Tower Erection and Stringing work
Mumewadi-Belewadi	IntraState	16/12/2015	09.40	16/12/2015	16.43	PO	Insulator cleaning work
Nashik-Airoli Knowledge Park	IntraState	16/12/2015	09.40	16/12/2015	18.15	PO	Routine Maintenance Work
New Koyna - Loteparshuram	IntraState	16/12/2015	10.19	16/12/2015	13.45	EO	To attend Hot Spot
Butibori-Abhijeet	IntraState	16/12/2015	11.52	16/12/2015	17.30	EO	To attend Hot Spot
Aurangabad - Chitegaon	IntraState	16/12/2015	13.15	16/12/2015	15.01	PO	Line Signature Test
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 100 Mva Cgl Ict 2 @Pusad	IntraState	16/12/2015	10.42	16/12/2015	17.02	PO	Tan Delta Measurment of CTs

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