

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 31/Dec/2015 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	124.505	3805.101	1) Gujrat	-5.198	-68.525
2) Hydro	7.271	249.119	2) Madhya Pradesh	1.681	152.045
3) Gas	10.695	260.164	3) Chattisgarh	3.080	135.670
Total MSPGCL	142.471	4314.384	4) Maharashtra Net	63.185	2297.221
B) 1) APML	46.382	1476.377	5) Goa (Amona)	-0.650	-17.106
2) JSWEL	18.166	664.182	6) TAPS 1&2 Injection	3.675	111.161
3) VIPL	10.128	299.804	7) RGPPL Injection	6.377	195.467
4) RPL(AMT)	24.483	688.733	8) Pench (MS)	0.485	7.599
5) WPCL	5.624	167.366	9) Pench (Excess)	-0.485	-7.599
6) Other IPP	10.939	338.149	Total	71.665	2798.334
C) 1) TPCL Thermal	12.459	424.505	a) Mumbai Schedule	16.093	522.860
2) TPCL Hydro	3.185	83.429	b) Mumbai Drawl	20.804	667.269
3) TPCL Gas	4.135	100.972	c) MSEDCL Bilateral *	3.026	616.362
4) R-INFRA Thermal	9.714	310.528	Include PX	-16.117	-187.750
D) STATE			d) Mumbai Bilateral *	16.093	522.860
1) Thermal	262.400	8174.745	Include PX	-0.079	9.572
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.456	332.548	H) ENERGY CATERED (MUs)		
3) Gas	14.830	361.136	1) MSEDCL	319.185	10354.517
4) Wind	8.949	238.593	2) Mumbai Discoms	50.300	1586.692
6) SOLAR	1.182	35.864	TOTAL STATE	369.485	11941.209
TOTAL STATE	297.817	9142.886			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5395	5256	5134	5199
MSPGCL Hydro	600	133	276	59
MSPGCL Gas	441	418	430	464
MSPGCL Total Generation	6436	5807	5840	5722
Central Sector Receipt	4617	4631	3775	1190
WIND	263	640	324	331
CPP / IPP	5445	5067	4691	4709
SOLAR	153	180	0	0
Exchange with Mumbai	-1093	-1234	-1232	-390
MSEDCL DEMAND MET	15821	15091	13398	11562
Load Shedding	14	14	13	11
MSEDCL DEMAND	15835	15105	13411	11573
TPCL GENERATION	1085	968	870	629
R-INFRA GENERATION	405	407	404	405
MUMBAI DEMAND	2583	2609	2506	1424
STATE DEMAND MET	18404	17700	15904	12986
STATE DEMAND	18418	17714	15917	12997
Frequency (Hz)	49.93	49.96	49.97	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 06.02 Hrs	49.75 Hz at 22.07 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 31/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.83	87.76	122	108
Unit 6	0.00	0.00	0	0
Unit 7	3.85	96.39	171	145
Unit 8	11.95	282.74	646	390
Total	18.62	466.89		
Bhusawal				
Unit 2	4.12	108.76	180	150
Unit 3	4.18	127.80	180	165
Unit 4	9.68	320.30	430	370
Unit 5	9.60	311.58	420	370
Total	27.57	868.43		
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	3.11	93.02	133	124
Unit 3	4.12	132.49	185	163
Unit 4	4.26	134.86	187	165
Unit 5	0.00	244.75	0	0
Unit 6	9.21	174.32	395	370
Unit 7	9.97	304.85	424	391
Total	30.67	1084.28		
Paras				
Unit 3	4.69	144.57	207	182
Unit 4	4.70	145.41	200	190
Total	9.39	289.98		
Khaparkheda				
Unit 1	3.92	117.45	175	155
Unit 2	4.02	112.67	185	155
Unit 3	3.86	115.92	171	147
Unit 4	3.78	106.14	166	152
Unit 5	9.02	267.26	385	360
Total	24.60	719.44		
Nasik				
Unit 3	4.56	109.48	200	180
Unit 4	4.47	123.38	195	180
Unit 5	4.60	143.22	195	187
Total	13.64	376.09		
Uran				
All Units	10.70	260.16	479	411
Total	10.70	260.16		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.48	7.60	50	0
Total	0.48	7.60		
Koyna				
Stage 1-2	3.20	78.53	460	40
Stage 4	0.94	27.28	232	0
Stage 3	0.71	23.03	160	0
Total	4.85	128.84		
Hydro				
KDPH	0.00	14.42	0	0
VTRNA	0.59	17.48	61	0
TILLARI	0.00	2.90	0	0
BHTGR/VEER	0.02	1.40	1	1
BHIRA T.R.	0.20	4.77	80	0
RNGR+BHTSA	0.20	7.42	16	0
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.45	23.41	19	18
GHATGHAR	0.96	38.04	240	0
Total	2.42	120.28		
Wind				
Total	8.95	238.59	0	0
Total	8.95	238.59		
CPP				
APML(Mus)	46.38	1476.38	0	0
JSWEL(Mus)	18.17	664.18	0	0
VIPL(Mus)	10.13	299.80	0	0
RPLAMT(Mus)	24.48	688.73	0	0
WPCL(Mus)	5.62	167.37	0	0
Other(Mus)	10.94	338.15	0	0
Total	115.72	3634.61		
SOLAR				
Total	1.18	35.86	0	0
Total	1.18	35.86		
Tata				
Trombay 5	7.58	262.98	317	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.57	60.05	115	62
Trombay 7B	1.57	40.92	69	50
Trombay 8	4.88	161.52	219	199
TATA Hydro	3.18	83.43	459	0
Total	19.78	608.91		
R-INFRA				
1-2	9.71	310.53	407	402
Total	9.71	310.53		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	124.50	3805.10
MSPGCL Thml+Gas	135.20	4065.26

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.27	249.12
MSPGCL Total	142.47	4314.38

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	4.14	105.81
State Total	297.82	9142.89

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 31/Dec/2015

Annexure-2

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	5114	64	460	5638	378	4717	0	1412	1437	-498	11672	19	11691	1601	13292	49.96
2	5105	64	463	5632	356	4721	0	1400	1284	-356	11637	11	11648	1463	13111	49.96
3	5153	69	462	5684	346	4724	0	1172	1338	-415	11676	11	11688	1454	13142	49.97
4	5199	59	464	5722	331	4709	0	1131	1190	-390	11562	11	11573	1424	12997	49.94
5	5205	84	474	5763	297	4716	0	1130	1506	-380	11902	11	11913	1418	13331	49.95
6	5210	319	465	5994	255	4708	0	1594	1648	-359	12246	14	12260	1455	13715	49.95
7	5223	541	473	6237	254	4722	0	2683	2890	-488	13615	14	13629	1592	15221	49.96
8	5191	955	467	6613	295	4819	9	3920	3961	-652	15045	14	15059	1774	16833	49.89
9	5235	733	479	6447	200	5031	60	4485	4424	-859	15303	14	15317	2058	17375	49.90
10	5302	524	450	6276	196	5371	120	4551	4643	-1096	15510	14	15524	2415	17939	49.93
11	5395	600	441	6436	263	5445	153	4609	4617	-1093	15821	14	15835	2583	18418	49.93
12	5326	330	437	6093	471	5434	181	4668	4364	-1051	15492	14	15506	2612	18118	49.96
13	5256	133	418	5807	640	5067	180	4618	4631	-1234	15091	14	15105	2609	17714	49.96
14	5157	80	418	5655	635	4796	169	4493	4103	-1154	14204	16	14220	2489	16709	49.99
15	5134	90	418	5642	655	4751	136	4265	4039	-1167	14056	13	14069	2507	16576	49.92
16	5131	235	417	5783	601	4576	111	4231	4399	-1086	14384	13	14397	2524	16921	49.90
17	5155	105	411	5671	509	4561	55	4042	3728	-1070	13454	13	13467	2511	15978	49.93
18	5154	130	423	5707	371	4641	8	3369	3138	-1186	12679	13	12692	2494	15186	49.99
19	5183	332	427	5942	309	4689	0	3442	3471	-1177	13234	13	13247	2512	15759	49.95
20	5134	276	430	5840	324	4691	0	3662	3775	-1232	13398	13	13411	2506	15917	49.97
21	5140	496	444	6080	292	4719	0	2497	2743	-1206	12628	13	12641	2330	14971	49.96
22	5171	509	448	6128	301	4724	0	1486	1771	-1051	11872	13	11886	2154	14040	50.02
23	5118	468	452	6038	313	4705	0	1113	1131	-869	11318	13	11331	1972	13303	49.94
24	5114	75	454	5643	357	4687	0	1405	1433	-735	11385	13	11398	1840	13238	50.00
MUs	124.50	7.27	10.70	142.47	8.95	115.72	1.18	71.38	71.66	-20.80	319.19	0.32	319.51	50.30	369.80	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 31/Dec/2015

Position as on 6.30 Hrs of 01/Jan/2016

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 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
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	
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	
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	
IPP	RPL(AMT) U-2	270	31/12/2015	15.10	31/12/2015	16.21	Tripped on SPS operation	
CENT.SECTOR	TARAPUR-3	540	31/12/2015	18.09		Continued.	Tripped on Jerk on 400KV Kalwa-Padgha Line	
MSPGCL	Koradi Unit 5	200	01/01/2016	00.12		Continued.	ID Fan Problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 31/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2016

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							
Kolhapur Solapur(PG) I	InterState	30/12/2015	16.52	31/12/2015	07.34	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	30/12/2015	17.35	31/12/2015	06.57	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	30/12/2015	21.54	31/12/2015	08.21	HT	Over Voltage
Main Bus- II @ Jejuri	InterState	31/12/2015	10.12	31/12/2015	13.09	PO	Erection of Beam for new end Bay
Akola Aurangabad(PG) I	InterState	31/12/2015	15.31	31/12/2015	18.15	HT	To take Line Reactor in service at A'Bad end
Dhule Sar'Sarovar I	InterState	31/12/2015	17.20		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	31/12/2015	18.10		Continued.	HT	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	31/12/2015	15.11	PO	change over & availed outage(RFC 17.20Hrs)
Karad-Jaigad - I	IntraState	29/12/2015	16.07		Continued.	HT	Over Voltage
Koradi-Khaperkheda li	IntraState	30/12/2015	13.03	31/12/2015	14.56	PO	Shifted on TBC
karad -kolhapur-I	IntraState	30/12/2015	15.53		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	30/12/2015	18.29		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/12/2015	21.26	31/12/2015	10.06	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	31/12/2015	11.09		Continued.	PO	Insulator repl.work(RFC 19.10Hrs)
Main Bus-I @ Jejuri	IntraState	31/12/2015	13.14	31/12/2015	15.58	PO	Erection of Beam for new end Bay
Padghe - Kalwa- I	IntraState	31/12/2015	18.09	31/12/2015	23.14	T	Distance Protection
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Chanage over
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)
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34	31/12/2015	20.06	PO	Tower Erection and Stringing work
Nasik Navsari II	InterState	31/12/2015	08.40	31/12/2015	19.01	PO	Insulator Replacement 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
Boisar(M) - Ghodbunder	IntraState	16/12/2015	08.29	31/12/2015	17.07	PO	Tower Erection and Stringing work
Wadkhal - Ipcl 2	IntraState	19/12/2015	11.00		Continued.	PO	Conductor Replacement Work With High Amacity Conductor.
Urse-Chinchwad	IntraState	30/12/2015	14.30	31/12/2015	16.20	PO	Shifted on TBC TO Attending Hot Spot
Badnera-Akola I	IntraState	31/12/2015	09.28	31/12/2015	18.40	PO	Disc replacement work
Parli 2-(Girwali) -Murud	IntraState	31/12/2015	10.15		Continued.	PO	Replacement of Bus and Line side Isolator
Kharepatan -Pawas Line	IntraState	31/12/2015	10.23	31/12/2015	13.59	PO	Testing Work
Wadkhal - Ndil 2	IntraState	31/12/2015	10.37	31/12/2015	10.54	HT	Safety Purpose for Crane Movement
Pusad - Hingoli	IntraState	31/12/2015	11.30	31/12/2015	14.12	PO	To attend Hot Spot
Baramati - Kurkumbh	IntraState	31/12/2015	13.00	31/12/2015	15.44	PO	Attending Oil Leakage
Niwali - Pawas Line	IntraState	31/12/2015	14.48	31/12/2015	16.46	PO	Diagnostic testing work

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 31/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 01/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Mahad - Pedambe	IntraState	31/12/2015	17.35	31/12/2015	19.07	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