

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Jan/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.658	1678.652	1) Gujrat	-1.573	-42.384
2) Hydro	7.101	145.569	2) Madhya Pradesh	8.771	94.115
3) Gas	10.101	147.601	3) Chattisgarh	4.280	69.970
Total MSPGCL	138.860	1971.822	4) Maharashtra Net	67.231	1137.363
B) 1) APML	45.246	725.324	5) Goa (Amona)	-0.514	-7.917
2) JSWEL	26.919	322.442	6) TAPS 1&2 Injection	3.663	55.212
3) VIPL	10.097	151.493	7) RGPPL Injection	5.904	89.378
4) RPL(AMT)	23.826	347.402	8) Pench (MS)	0.395	6.641
5) WPCL	4.627	68.554	9) Pench (Excess)	-0.395	-6.641
6) Other IPP	10.531	158.356	Total	87.367	1389.096
C) 1) TPCL Thermal	14.715	212.629	a) Mumbai Schedule	14.857	219.677
2) TPCL Hydro	1.512	32.502	b) Mumbai Drawl	22.416	338.407
3) TPCL Gas	4.090	56.040	c) MSEDCL Bilateral *	25.788	298.605
4) R-INFRA Thermal	5.171	93.305	Include PX	-5.149	-85.885
D) STATE			d) Mumbai Bilateral *	14.857	219.677
1) Thermal	262.790	3758.157	Include PX	2.527	34.203
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	8.613	178.071	H) ENERGY CATERED (MUs)		
3) Gas	14.191	203.641	1) MSEDCL	328.580	4853.370
4) Wind	2.353	40.573	2) Mumbai Discoms	47.904	732.892
6) SOLAR	1.170	16.715	TOTAL STATE	376.484	5586.262
TOTAL STATE	289.117	4197.157			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5282	5101	5041	4997
MSPGCL Hydro	935	262	471	110
MSPGCL Gas	454	440	483	305
MSPGCL Total Generation	6671	5803	5995	5412
Central Sector Receipt	4789	4759	4028	1888
WIND	99	169	51	44
CPP / IPP	5567	4993	5000	4987
SOLAR	92	185	0	0
Exchange with Mumbai	-1092	-1161	-1284	-413
MSEDCL DEMAND MET	16126	14748	13790	11918
Load Shedding	36	17	9	9
MSEDCL DEMAND	16162	14765	13799	11927
TPCL GENERATION	1049	1078	826	701
R-INFRA GENERATION	204	258	204	203
MUMBAI DEMAND	2345	2497	2314	1317
STATE DEMAND MET	18471	17245	16104	13235
STATE DEMAND	18507	17262	16113	13244
Frequency (Hz)	49.92	50.00	49.97	50.05

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.32 Hz at 06.03 Hrs	49.74 Hz at 18.11 Hrs	49.98	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 15/Jan/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.49	31.74	155	140
Unit 6	0.00	0.00	0	0
Unit 7	3.18	53.20	155	120
Unit 8	12.07	60.52	565	462
Total	18.74	145.46		
Bhusawal				
Unit 2	4.07	57.58	175	160
Unit 3	4.18	62.10	180	170
Unit 4	9.46	147.13	405	385
Unit 5	9.46	147.91	410	380
Total	27.17	414.72		
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	0.00	33.88	0	0
Unit 3	4.16	62.54	182	163
Unit 4	4.40	64.62	188	176
Unit 5	0.00	0.00	0	0
Unit 6	9.42	138.50	410	375
Unit 7	9.45	145.81	415	365
Total	27.43	445.36		
Paras				
Unit 3	4.71	60.88	209	178
Unit 4	4.74	73.34	205	190
Total	9.45	134.23		
Khaparkheda				
Unit 1	3.70	56.96	170	110
Unit 2	4.18	61.38	185	160
Unit 3	4.01	60.74	169	165
Unit 4	3.92	53.05	170	158
Unit 5	9.69	141.78	500	380
Total	25.51	373.89		
Nasik				
Unit 3	4.53	59.30	195	180
Unit 4	4.33	45.23	188	172
Unit 5	4.50	60.47	197	177
Total	13.36	165.00		
Uran				
All Units	10.10	147.60	515	304
Total	10.10	147.60		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.40	6.64	20	0
Total	0.40	6.64		
Koyna				
Stage 1-2	2.75	54.50	445	40
Stage 4	0.99	32.14	420	0
Stage 3	0.80	17.47	160	0
Total	4.54	104.11		
Hydro				
KDPH	0.00	6.42	0	0
VTRNA	0.59	9.08	61	0
TILLARI	0.31	0.98	64	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.10	1.98	80	0
RNGR+BHTSA	0.21	3.16	12	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.68	8.69	29	28
GHATGHAR	0.67	11.14	205	0
Total	2.56	41.46		
Wind				
Total	2.35	40.57	0	0
Total	2.35	40.57		
CPP				
APML(Mus)	45.25	725.32	0	0
JSWEL(Mus)	26.92	322.44	0	0
VIPL(Mus)	10.10	151.49	0	0
RPLAMT(Mus)	23.83	347.40	0	0
WPCL(Mus)	4.63	68.55	0	0
Other(Mus)	10.53	158.36	0	0
Total	121.25	1773.57		
SOLAR				
Total	1.17	16.72	0	0
Total	1.17	16.72		
Tata				
Trombay 5	9.28	132.40	469	312
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.55	35.35	124	86
Trombay 7B	1.54	20.69	70	58
Trombay 8	5.44	80.22	249	198
TATA Hydro	1.51	32.50	343	0
Total	20.32	301.17		
R-INFRA				
1-2	5.17	93.30	258	202
Total	5.17	93.30		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	121.66	1678.65
MSPGCL Thml+Gas	131.76	1826.25

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.10	145.57
MSPGCL Total	138.86	1971.82

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.74	86.64
State Total	289.12	4197.16

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/Jan/2016

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	5003	95	310	5408	69	4977	0	2342	2265	-626	12093	14	12107	1537	13644	50.04
2	5006	80	304	5390	50	4986	0	2689	2202	-506	12122	9	12131	1413	13544	49.95
3	4996	90	317	5403	62	4994	0	2322	2115	-449	12125	9	12134	1352	13486	49.94
4	4997	110	305	5412	44	4987	0	2221	1888	-413	11918	9	11927	1317	13244	50.05
5	4975	435	318	5728	42	4972	0	2400	2033	-426	12349	9	12358	1333	13691	50.03
6	4973	219	342	5534	40	4967	0	3223	3140	-553	13128	13	13141	1456	14597	50.00
7	5031	165	381	5577	51	4945	0	4019	4413	-722	14264	13	14277	1630	15907	49.95
8	5071	813	440	6324	71	5068	11	4420	4968	-757	15685	13	15698	1742	17440	49.92
9	5243	791	469	6503	54	5378	51	4684	5086	-928	16144	21	16165	2079	18244	49.93
10	5282	935	454	6671	99	5567	92	4667	4789	-1092	16126	36	16162	2345	18507	49.92
11	5154	538	465	6157	119	5528	148	4746	4773	-1179	15546	40	15586	2496	18082	49.95
12	5121	587	448	6156	155	5113	187	4780	4719	-1113	15217	17	15234	2563	17797	49.95
13	5101	262	440	5803	169	4993	185	4899	4759	-1161	14748	17	14765	2497	17262	50.00
14	5054	103	430	5587	183	4982	176	4775	4452	-1157	14223	17	14240	2349	16589	50.04
15	5032	83	450	5565	168	4962	154	4499	4451	-1123	14177	9	14186	2316	16502	49.99
16	5038	74	440	5552	154	4970	98	4301	4545	-1087	14232	9	14241	2325	16566	49.99
17	5080	74	438	5592	126	4976	52	4214	4187	-1111	13822	9	13831	2314	16145	49.98
18	5097	78	436	5611	96	4986	16	3513	3602	-1178	13133	9	13142	2264	15406	49.99
19	5091	344	506	5941	58	4987	0	3540	3628	-1220	13394	9	13403	2301	15704	49.99
20	5041	471	483	5995	51	5000	0	3966	4028	-1284	13790	9	13799	2314	16113	49.97
21	5076	342	478	5896	173	4989	0	3452	3518	-1228	13348	9	13357	2194	15551	49.98
22	5085	174	515	5774	143	4987	0	2704	2905	-1168	12641	9	12650	2061	14711	50.00
23	5074	152	469	5695	94	4966	0	2545	2775	-1035	12495	9	12504	1916	14420	49.96
24	5037	86	463	5586	82	4966	0	2052	2126	-900	11860	9	11869	1790	13659	50.02
MUs	121.66	7.10	10.10	138.86	2.35	121.25	1.17	86.97	87.37	-22.42	328.58	0.33	328.91	47.90	376.81	49.98

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 15/Jan/2016

Position as on 6.30 Hrs of 16/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	
RINFRA-G	REL Unit 1	250	03/01/2016	23.46		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPP	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPP	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPP	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPP	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPP	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPP	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPP	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	15/01/2016	23.56	Gas turbine problem	14/01/2016
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	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50		Continued.	Capital Overhaul.	
MSPGCL	Koyana STG-IV Unit-3	250	06/01/2016	11.00		Continued.	Spherical Valve Problem	
CPP	WPCL U-1	135	07/01/2016	02.00		Continued.	Withdrawn, changeover to Unit-3	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	14/01/2016	13.17	15/01/2016	04.38	Gas shortage	
MSPGCL	Uran Unit 7	108	15/01/2016	00.15	15/01/2016	17.38	Tripped	
MSPGCL	Uran Unit 7	108	15/01/2016	22.34		Continued.	Emergency Handtrip	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Tripping for 15/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 16/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/Tripping							
Dabhol Newkoyana li	InterState	13/01/2016	09.00	15/01/2016	10.02	PO	Line Maintenance work
Dhule Sar'Sarovar I	InterState	14/01/2016	17.06	15/01/2016	07.27	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	14/01/2016	18.02	15/01/2016	08.40	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	15/01/2016	17.09		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	15/01/2016	17.23		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over
Babhaleshwar-Taptitanda ckt-II	IntraState	09/01/2016	11.53		Continued.	PO	Change Over.
karad -kolhapur-II	IntraState	13/01/2016	16.10		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	13/01/2016	16.14		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	14/01/2016	17.03	15/01/2016	07.09	HT	Over Voltage
Lonikand I - Koyana stage-IV	IntraState	14/01/2016	17.18	15/01/2016	10.06	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	15/01/2016	16.58		Continued.	HT	Over Voltage
Lonikand I - Koyana stage-IV	IntraState	15/01/2016	21.43		Continued.	HT	Over Voltage
400 KV ICT Outages/Tripping							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/220 Kv 315 MVA ICT -I @New Koyana	IntraState	15/01/2016	11.28	15/01/2016	17.52	PO	Attending Oil Leakage
400/220 KV 315MVA ICT II @ Parli	IntraState	15/01/2016	11.44	15/01/2016	17.59	PO	Testing Work
220 KV LINE Outages/Tripping							
Nasik Navsari II	InterState	15/01/2016	13.17	15/01/2016	15.12	PO	Testing 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.
Parli 2-(Girwali) -Murud	IntraState	31/12/2015	10.15		Continued.	PO	Replacement of Bus and Line side Isolator
Dahanu Versova	IntraState	04/01/2016	08.35		Continued.	PO	Dismantling of broad base tower & Erection of narrow base tower.
Boisar Versova Line	IntraState	04/01/2016	08.47		Continued.	PO	Dismantling of broad base tower & Erection of narrow base tower.
Kalwa - Borivali	IntraState	10/01/2016	09:15		Continued.	PO	Tower Erection Work.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Shivajinagar - Satana	IntraState	14/01/2016	15.40		Continued.	T	Distance Protection
Apta - Kalwa	IntraState	15/01/2016	08.02		Continued.	PO	Rusted Cross Arm replacement(For 3 Days)
Kalwa - Taloja	IntraState	15/01/2016	08.05		Continued.	PO	Rusted Cross Arm replacement(For 3 Days)
Vita - Ghatnandre	IntraState	15/01/2016	09.33	15/01/2016	10.14	PO	Line Signature work
Vita - Mhaishal	IntraState	15/01/2016	10.17	15/01/2016	10.47	PO	Line Signature work
Apta - Hoc	IntraState	15/01/2016	10.23	15/01/2016	18.10	PO	CT Replacement work
Kandalgaon - Topworth	IntraState	15/01/2016	10.25	15/01/2016	18.24	PO	Conductor stringing work
Kharepatan -Pawas Line	IntraState	15/01/2016	16.18	15/01/2016	17.17	PO	To remove Bird Nest
220 KV ICT Outages/Tripping							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
Carnac : 220 / 110 / 33 315 MVA ICT 5	IntraState	07/01/2016	05.10		Continued.	T	Failure of 33KV Spare Breaker
132 KV LINE Outages/Tripping							

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 15/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 16/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Harangul-Latur(Koyana) Ckt-I	IntraState	14/01/2016	18.17	15/01/2016	11.51	T	String Decapped