

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 05/Dec/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	104.605	545.330	1) Gujrat	2.978	21.569
2) Hydro	7.020	53.852	2) Madhya Pradesh	8.120	38.287
3) Gas	10.590	43.120	3) Chattisgarh	5.750	26.670
Total MSPGCL	122.215	642.302	4) Maharashtra Net	81.899	430.681
B) 1) APML	50.655	265.079	5) Goa (Amona)	-0.516	-2.818
2) JSWEL	22.678	112.889	6) TAPS 1&2 Injection	3.561	17.754
3) VIPL	11.056	56.919	7) RGPPL Injection	6.187	31.433
4) RPL(AMT)	22.039	112.257	8) Pench (MS)	0.186	1.005
5) WPCL	4.126	25.217	9) Pench (Excess)	-0.186	-1.005
6) Other IPP	10.578	53.725	Total	107.793	562.571
C) 1) TPCL Thermal	14.965	75.582	a) Mumbai Schedule	16.926	103.335
2) TPCL Hydro	1.527	13.027	b) Mumbai Drawl	24.664	130.920
3) TPCL Gas	3.754	19.628	c) MSEDCL Bilateral *	27.687	119.829
4) R-INFRA Thermal	10.295	53.627	Include PX	-0.051	-1.858
D) STATE			d) Mumbai Bilateral *	16.926	103.335
1) Thermal	250.997	1300.625	Include PX	0.231	1.074
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	8.547	66.879	H) ENERGY CATERED (MUs)		
3) Gas	14.344	62.748	1) MSEDCL	338.729	1731.533
4) Wind	11.069	26.139	2) Mumbai Discoms	55.205	292.783
6) SOLAR	1.184	5.355	TOTAL STATE	393.934	2024.316
TOTAL STATE	286.141	1461.746			

* 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	4476	4505	4448	4070
MSPGCL Hydro	310	324	535	121
MSPGCL Gas	438	420	428	454
MSPGCL Total Generation	5224	5249	5411	4645
Central Sector Receipt	5078	4934	5083	3490
WIND	567	400	346	507
CPP / IPP	5891	5870	5067	4366
SOLAR	156	177	0	0
Exchange with Mumbai	-1153	-1167	-1427	-639
MSEDCL DEMAND MET	15763	15463	14480	12369
Load Shedding	15	15	11	10
MSEDCL DEMAND	15778	15478	14491	12379
TPCL GENERATION	1044	1075	866	653
R-INFRA GENERATION	516	514	402	402
MUMBAI DEMAND	2713	2756	2695	1694
STATE DEMAND MET	18476	18219	17175	14063
STATE DEMAND	18491	18234	17186	14073
Frequency (Hz)	49.95	49.97	49.92	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13:03 Hrs	49.67 Hz at 19:18 Hrs	49.97	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 05/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.91	14.13	130	115
Unit 6	0.00	0.00	0	0
Unit 7	0.87	6.59	149	0
Total	3.78	20.72		
Bhusawal				
Unit 2	3.94	20.39	185	135
Unit 3	4.15	20.38	180	160
Unit 4	7.73	50.94	440	250
Unit 5	8.66	52.68	500	305
Total	24.49	144.40		
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	2.61	14.77	123	96
Unit 3	4.36	22.01	204	168
Unit 4	4.46	22.31	202	173
Unit 5	9.42	48.63	425	365
Unit 6	0.00	0.00	0	0
Unit 7	9.80	49.79	425	391
Total	30.65	157.51		
Paras				
Unit 3	5.23	24.93	232	207
Unit 4	5.39	27.64	251	195
Total	10.62	52.56		
Khaparkheda				
Unit 1	3.78	18.10	175	140
Unit 2	3.98	18.20	180	150
Unit 3	4.20	19.94	195	150
Unit 4	0.00	13.94	0	0
Unit 5	9.50	45.72	460	360
Total	21.47	115.90		
Nasik				
Unit 3	0.00	4.12	0	0
Unit 4	4.43	22.23	194	165
Unit 5	4.66	23.30	197	190
Total	9.09	49.66		
Uran				
All Units	10.59	43.12	465	407
Total	10.59	43.12		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.19	1.00	40	0
Total	0.19	1.00		
Koyna				
Stage 1-2	2.16	13.83	360	40
Stage 4	0.55	12.83	213	0
Stage 3	0.62	5.48	80	0
Total	3.32	32.13		
Hydro				
KDPH	0.44	3.29	19	18
VTRNA	0.43	2.60	61	0
TILLARI	0.00	1.23	43	0
BHTGR/VEER	0.06	0.16	3	2
BHIRA T.R.	0.12	0.72	41	0
RNGR+BHTSA	0.25	1.23	14	0
BHANDARDRA	0.47	2.48	20	19
ELDARY	0.07	0.07	11	0
SMLHY_PTN	0.69	3.47	35	26
GHATGHAR	1.16	6.47	125	0
Total	3.70	21.72		
Wind				
Total	11.07	26.14	0	0
Total	11.07	26.14		
CPP				
APML(Mus)	50.66	265.08	0	0
JSWEL(Mus)	22.68	112.89	0	0
VIPL(Mus)	11.06	56.92	0	0
RPLAMT(Mus)	22.04	112.26	0	0
WPCL(Mus)	4.13	25.22	0	0
Other(Mus)	10.58	53.72	0	0
Total	121.13	626.09		
SOLAR				
Total	1.18	5.36	0	0
Total	1.18	5.36		
Tata				
Trombay 5	9.36	47.88	472	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.28	12.06	115	81
Trombay 7B	1.47	7.56	68	56
Trombay 8	5.61	27.70	249	198
TATA Hydro	1.53	13.03	201	0
Total	20.25	108.24		
R-INFRA				
1-2	10.30	53.63	517	399
Total	10.30	53.63		

Infirm Power	Chandrapur 8	0.00
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	104.60	545.33
MSPGCL Thml+Gas	115.20	588.45

Koradi 8	4.51	
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.02	53.85
MSPGCL Total	122.22	642.30

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.71	26.66
State Total	286.14	1461.75

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/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	4021	122	451	4594	582	4396	0	4354	4279	-978	12873	17	12890	2032	14922	50.01
2	4021	121	455	4597	598	4367	0	4373	3914	-810	12666	10	12676	1866	14542	50.01
3	4038	126	451	4615	598	4376	0	4202	3683	-713	12559	10	12569	1767	14336	50.01
4	4070	121	454	4645	507	4366	0	4098	3490	-639	12369	10	12379	1694	14073	49.99
5	4091	121	462	4674	521	4360	0	4087	3873	-620	12808	10	12818	1675	14493	49.97
6	4089	125	455	4669	512	4335	0	4711	4492	-694	13314	15	13329	1751	15080	49.95
7	4088	574	459	5121	435	4594	0	4883	5031	-768	14413	15	14428	1837	16265	49.96
8	4296	580	462	5338	404	5186	20	4871	4880	-647	15181	35	15216	1916	17132	49.97
9	4441	555	465	5461	353	5513	64	4977	4728	-803	15316	15	15331	2184	17515	49.97
10	4502	516	440	5458	507	5817	121	5022	4739	-919	15723	15	15738	2437	18175	49.98
11	4476	310	438	5224	567	5891	156	5037	5078	-1153	15763	15	15778	2713	18491	49.95
12	4528	427	432	5387	497	5802	175	5061	5008	-1175	15694	15	15709	2758	18467	49.95
13	4505	324	420	5249	400	5870	177	5064	4934	-1167	15463	15	15478	2756	18234	49.97
14	4426	159	424	5009	350	5816	171	5054	4955	-1112	15189	16	15205	2633	17838	50.01
15	4452	281	407	5140	312	5682	142	5070	5199	-1162	15313	11	15324	2647	17971	49.93
16	4349	499	424	5272	268	5660	109	5061	5104	-1162	15251	11	15262	2651	17913	49.92
17	4372	278	428	5078	270	5641	44	5024	5003	-1237	14799	11	14810	2646	17456	49.93
18	4514	131	428	5073	288	5255	5	4860	4613	-1373	13861	11	13872	2614	16486	49.97
19	4448	535	428	5411	346	5067	0	4985	5083	-1427	14480	11	14491	2695	17186	49.92
20	4495	357	440	5292	407	5139	0	5003	4736	-1386	14188	11	14199	2650	16849	49.96
21	4459	214	441	5114	476	4801	0	4939	4267	-1300	13358	11	13369	2511	15880	49.99
22	4588	191	431	5210	565	4446	0	4422	3761	-1241	12741	11	12752	2386	15138	50.04
23	4659	174	445	5278	608	4381	0	3777	3471	-1109	12629	11	12640	2214	14854	49.96
24	4677	222	450	5349	698	4371	0	3261	3472	-1069	12821	11	12832	2172	15004	49.98
MUs	104.61	7.06	10.59	122.26	11.07	121.13	1.18	112.20	107.79	-24.66	338.77	0.32	339.09	55.20	394.30	49.97

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 05/Dec/2015

Position as on 6.30 Hrs of 06/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		Continued.	PA Fan problem	
IPP	Adani U-5	660	22/11/2015	08.55		Continued.	Leakage tube oil system	
MSPGCL	Chandrapur Unit 6	500	30/11/2015	20.01		Continued.	Turbine bearing Vabration high	
MSPGCL	Koradi Unit 7	210	02/12/2015	22.52	05/12/2015	16.03	Boiler Drum Leakage	
MSPGCL	Nasik Unit 3	210	04/12/2015	18.20	06/12/2015	14.35	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 4	210	05/12/2015	21.36	06/12/2015	07.38	Turbine Vibration High.	
IPP	RPL(AMT) U-5	270	06/12/2015	01.35	06/12/2015	03.18	Drum level low	
MSPGCL	Koradi Unit 7	210	06/12/2015	04.40		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 3	210	06/12/2015	16.15		Continued.	Rotor E/F.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 06/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	05/12/2015	08.21		Continued.	PO	Annual Maintenance & Allied Work.
Chandrapur - Padghe Hvdc Pole 2	IntraState	05/12/2015	08.21	06/12/2015	20.02	PO	Annual Maintenance & Allied Work.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	04/12/2015	18.05	05/12/2015	07.20	T	Over Voltage
Kolhapur Solapur(PG) I	InterState	04/12/2015	22.09	05/12/2015	06.58	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	05/12/2015	17.28	06/12/2015	07.36	T	Over Voltage
Kolhapur Solapur (PG) II	InterState	05/12/2015	17.46	06/12/2015	07.35	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	06/12/2015	14.10		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	06/12/2015	16.42		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	06/10/2015	09.44		Continued.	HT	For Controlling Line Loading.
Babhaleshwar-Taptitanda ckt-I	IntraState	20/11/2015	12.01		Continued.	PO	Testing Work,RFC @ 17.40 Hrs.
Karad-Jaigad - I	IntraState	02/12/2015	16.41	05/12/2015	09.20	HT	Over Voltage
karad -kolhapur-I	IntraState	04/12/2015	16.27	05/12/2015	09.12	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	04/12/2015	17.27	05/12/2015	07.12	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	04/12/2015	20.57	05/12/2015	09.05	HT	Over Voltage
Karad - Jaigad - II	IntraState	05/12/2015	16.37		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	05/12/2015	16.42	06/12/2015	09.03	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	05/12/2015	17.04	06/12/2015	07.22	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	05/12/2015	21.13	06/12/2015	10.24	HT	Over Voltage
Babhaleshwar - Padghe-I	IntraState	06/12/2015	13.49	06/12/2015	15.11	T	Distance Protection
karad -kolhapur-I	IntraState	06/12/2015	16.09		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	06/12/2015	17.13		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	06/12/2015	21.44		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
400/220KV 500MVA ICT 2@koradi 2	IntraState	02/12/2015	12.35		Continued.	T	Differential protection
220 KV LINE Outages/Trippings							
Boisar Tarapur	InterState	20/11/2015	06.05		Continued.	PO	String Work of M/C 0.4KM Between Boiser Gantry & Loc Noc1/A1(20 Days).
Borivali - Tarapur	InterState	06/12/2015	00.21	06/12/2015	23.10	PO	220KV Bus Strengthening Work @ Borivali.
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 - Ipcl 1	IntraState	06/11/2015	11.50		Continued.	PO	Replacement of Conductors (for 15 Days).
Kalwa-Salsette-IV	IntraState	14/11/2015	08.20		Continued.	PO	Conductor uprating work (35 days outage)
Boisar(M) - Ghodbunder	IntraState	20/11/2015	06.18		Continued.	PO	String Work ofM/C 0.4KM Between Boiser Gantry & Loc No.1/A1(20 Days).
Theur- Magar Patta City	IntraState	05/12/2015	09.01	05/12/2015	13.15	PO	Half yearly maintenance work
Koradi-Ambazari-I	IntraState	05/12/2015	10.24	05/12/2015	14.13	PO	Measurement of Tandelta of CT's & CC's.

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 05/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 06/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Trombay - Mulund	IntraState	05/12/2015	11.51	05/12/2015	15.24	PO	Line Maint.& Painting of Cross Atm.
Hinganghat - Bhugaon	IntraState	05/12/2015	12.07	05/12/2015	14.42	PO	Repair of Line Isolator.
New Koyana - Pedambe	IntraState	05/12/2015	13.15	05/12/2015	15.20	EO	Attending Hot Spot
REL Borivali MSETCL Borivali Line-1	IntraState	05/12/2015	22.20	06/12/2015	10.35	PO	220KV Bus Strengthening Work @ Borivali.
Gorai MSETCL Borivali Line-1	IntraState	05/12/2015	22.22	06/12/2015	10.57	PO	220KV Bus Strengthening Work @ Borivali.
Gorai MSETCL Borivali Line-2	IntraState	05/12/2015	23.26	06/12/2015	23.50	PO	220KV Bus Strengthening Work @ Borivali.
Borivali - Ghodbunder	IntraState	05/12/2015	23.34	06/12/2015	09.33	PO	220KV Bus Strengthening Work @ Borivali.
GIS Bhandup - Borivali	IntraState	05/12/2015	23.43	06/12/2015	23.10	PO	220KV Bus Strengthening Work @ Borivali.
REL Borivali MSETCL Borivali Line-2	IntraState	06/12/2015	00.26	06/12/2015	23.56	PO	220KV Bus Strengthening Work @ Borivali.
Kalwa - Borivali	IntraState	06/12/2015	00.40	06/12/2015	09.13	PO	220KV Bus Strengthening Work @ Borivali.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
132 KV LINE Outages/Trippings							
Gangakged - Sakhar Karkhana	IntraState	05/12/2015	01.15	05/12/2015	02.20	T	O/C & E/F Cable Fault @ Gangakhed Sugar Factory End.
Telgaon - Majalgaon	IntraState	05/12/2015	02.55	05/12/2015	03.37	T	Dist.Prot. Operated Z-1 R Ph.
Anjangaon - Akot	IntraState	05/12/2015	03.32	05/12/2015	03.55	T	Distance Protection
Paras-Akot	IntraState	05/12/2015	03.32	05/12/2015	4.05	T	Distance Protection
Padegaon Garware	IntraState	05/12/2015	04.12	05/12/2015	05.56	T	Dist.Prot. Operated Z-1 Y Ph.
Pusad-Umarkhed	IntraState	05/12/2015	20.33		Continued.	T	Distance Protection B,Y Ph Z-1 @ 132KV Umerkhed S/S B Ph CC Burst.
Umarkhed-Gunj	IntraState	05/12/2015	20.33	05/12/2015	21.07	T	Distance Protection B Ph Z-1.
100 KV LINE Outages/Trippings							
Borivali II - TATA II	IntraState	05/12/2015	22.08		Continued.	PO	220KV Bus Strengthening Work @ Borivali.

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