

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 19/Dec/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	126.671	2298.357	1) Gujrat	-0.353	-0.995
2) Hydro	6.588	156.268	2) Madhya Pradesh	5.238	125.004
3) Gas	8.830	152.058	3) Chattisgarh	3.830	91.380
Total MSPGCL	142.089	2606.683	4) Maharashtra Net	73.852	1551.348
B) 1) APML	47.636	958.802	5) Goa (Amona)	-0.470	-10.256
2) JSWEL	20.866	430.987	6) TAPS 1&2 Injection	3.173	66.940
3) VIPL	10.142	178.181	7) RGPPL Injection	6.355	119.411
4) RPL(AMT)	25.239	409.817	8) Pench (MS)	0.100	3.702
5) WPCL	4.730	103.705	9) Pench (Excess)	-0.100	-3.702
6) Other IPP	10.380	207.528	Total	91.525	1939.130
C) 1) TPCL Thermal	12.373	271.932	a) Mumbai Schedule	13.777	344.359
2) TPCL Hydro	2.989	51.950	b) Mumbai Drawl	22.015	453.693
3) TPCL Gas	3.259	58.742	c) MSEDCL Bilateral *	21.903	483.047
4) R-INFRA Thermal	9.717	193.484	Include PX	-7.307	-39.519
D) STATE			d) Mumbai Bilateral *	13.777	344.359
1) Thermal	267.754	5052.793	Include PX	-0.585	13.939
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.577	208.218	H) ENERGY CATERED (MUs)		
3) Gas	12.089	210.800	1) MSEDCL	336.814	6509.312
4) Wind	5.111	106.584	2) Mumbai Discoms	50.356	1029.798
6) SOLAR	1.111	21.588	TOTAL STATE	387.170	7539.110
TOTAL STATE	295.642	5599.983			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5465	5354	5188	5245
MSPGCL Hydro	322	263	430	103
MSPGCL Gas	335	344	432	314
MSPGCL Total Generation	6122	5961	6050	5662
Central Sector Receipt	4969	5069	5041	1917
WIND	108	74	80	398
CPP / IPP	5428	5273	4683	4867
SOLAR	173	165	0	0
Exchange with Mumbai	-1161	-1212	-1307	-421
MSEDCL DEMAND MET	15639	15330	14547	12423
Load Shedding	15	15	13	11
MSEDCL DEMAND	15654	15345	14560	12434
TPCL GENERATION	998	940	826	642
R-INFRA GENERATION	404	407	406	405
MUMBAI DEMAND	2563	2559	2539	1468
STATE DEMAND MET	18202	17889	17086	13891
STATE DEMAND	18217	17904	17099	13902
Frequency (Hz)	49.94	49.93	49.95	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 05:04 Hrs	49.73 Hz at 21:03 Hrs	49.96	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 19/Dec/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.90	53.15	125	115
Unit 6	0.00	0.00	0	0
Unit 7	3.97	50.05	176	130
Unit 8	11.82	147.33	660	370
Total	18.70	250.53		
Bhusawal				
Unit 2	0.00	63.95	0	0
Unit 3	3.90	78.05	175	140
Unit 4	10.02	199.17	440	380
Unit 5	10.13	200.24	445	380
Total	24.04	541.41		
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	56.44	131	112
Unit 3	4.26	81.88	190	170
Unit 4	4.34	83.57	185	174
Unit 5	9.16	176.87	395	368
Unit 6	9.52	66.09	410	380
Unit 7	9.86	187.86	425	387
Total	40.16	652.72		
Paras				
Unit 3	5.02	90.80	218	196
Unit 4	5.14	86.34	222	205
Total	10.16	177.14		
Khaparkheda				
Unit 1	3.78	72.38	175	150
Unit 2	4.30	73.30	200	160
Unit 3	3.15	73.18	177	0
Unit 4	3.97	59.50	176	158
Unit 5	9.30	183.48	420	375
Total	24.50	461.85		
Nasik				
Unit 3	4.48	55.56	195	180
Unit 4	0.00	71.07	0	0
Unit 5	4.63	88.08	197	185
Total	9.11	214.71		
Uran				
All Units	8.83	152.06	452	313
Total	8.83	152.06		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.10	3.70	27	0
Total	0.10	3.70		
Koyna				
Stage 1-2	2.16	45.42	355	35
Stage 4	0.50	16.09	208	0
Stage 3	0.70	13.43	156	0
Total	3.36	74.95		
Hydro				
KDPH	0.44	11.68	19	18
VTRNA	0.54	10.48	61	0
TILLARI	0.12	2.29	59	0
BHTGR/VEER	0.04	0.96	2	1
BHIRA T.R.	0.14	2.91	40	0
RNGR+BHTSA	0.34	4.66	15	14
BHANDARDRA	0.00	8.78	0	0
ELDARY	0.00	1.65	0	0
SMLHY_PTN	0.65	14.32	28	27
GHATGHAR	0.96	23.59	125	0
Total	3.22	81.32		
Wind				
Total	5.11	106.58	0	0
Total	5.11	106.58		
CPP				
APML(Mus)	47.64	958.80	0	0
JSWEL(Mus)	20.87	430.99	0	0
VIPL(Mus)	10.14	178.18	0	0
RPLAMT(Mus)	25.24	409.82	0	0
WPCL(Mus)	4.73	103.70	0	0
Other(Mus)	10.38	207.53	0	0
Total	118.99	2289.02		
SOLAR				
Total	1.11	21.59	0	0
Total	1.11	21.59		
Tata				
Trombay 5	7.59	169.71	319	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.91	34.61	80	79
Trombay 7B	1.35	24.13	57	55
Trombay 8	4.78	102.22	203	192
TATA Hydro	2.99	51.95	345	28
Total	18.62	382.62		
R-INFRA				
1-2	9.72	193.48	408	403
Total	9.72	193.48		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	126.67	2298.36
MSPGCL Thml+Gas	135.50	2450.42

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.59	156.27
MSPGCL Total	142.09	2606.68

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.66	61.52
State Total	295.64	5599.98

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/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	5224	177	313	5714	359	4790	0	2725	2281	-637	12507	19	12526	1691	14217	49.97
2	5212	173	315	5700	387	4857	0	2726	2154	-498	12600	11	12611	1547	14158	50.00
3	5245	103	314	5662	398	4867	0	2593	1917	-421	12423	11	12434	1468	13902	50.03
4	5225	107	315	5647	430	4934	0	2668	1914	-381	12544	11	12555	1429	13984	49.99
5	5257	147	315	5719	389	5091	0	2766	1861	-390	12670	11	12681	1441	14122	50.03
6	5267	186	326	5779	407	5236	0	3454	2736	-485	13673	15	13688	1538	15226	50.03
7	5361	152	316	5829	436	5062	0	4057	3965	-595	14697	15	14712	1656	16368	49.95
8	5413	603	316	6332	423	5065	9	4111	4000	-626	15203	15	15218	1757	16975	49.92
9	5495	370	324	6189	344	5388	63	4624	4383	-844	15523	15	15538	1991	17529	49.95
10	5492	384	325	6201	269	5430	107	4796	4836	-1007	15836	15	15851	2287	18138	49.90
11	5508	386	329	6223	168	5415	149	4875	4784	-1132	15607	15	15622	2505	18127	49.94
12	5465	322	335	6122	108	5428	173	4893	4969	-1161	15639	15	15654	2563	18217	49.94
13	5354	263	344	5961	74	5273	165	4908	5069	-1212	15330	15	15345	2559	17904	49.93
14	5349	135	358	5842	71	5086	158	4913	4814	-1109	14862	17	14879	2413	17292	49.98
15	5345	149	371	5865	65	4757	140	4931	5008	-1062	14773	13	14786	2410	17196	49.90
16	5303	321	391	6015	101	4671	101	4928	5197	-1050	15035	13	15048	2418	17466	49.97
17	5300	370	414	6084	109	4597	41	4570	5054	-1097	14788	13	14801	2405	17206	49.92
18	5241	526	439	6206	98	4582	5	3617	3805	-1212	13484	13	13497	2433	15930	49.93
19	5188	430	432	6050	80	4683	0	4690	5041	-1307	14547	13	14560	2539	17099	49.95
20	5056	313	448	5817	43	4774	0	4877	4597	-1333	13898	13	13911	2547	16458	49.96
21	5063	174	444	5681	70	4771	0	4415	4365	-1330	13557	13	13570	2421	15991	49.96
22	5079	167	450	5696	74	4790	0	3162	3348	-1194	12714	13	12727	2286	15013	49.99
23	5115	346	444	5905	88	4736	0	2439	2633	-1034	12328	13	12341	2092	14433	49.95
24	5114	284	452	5850	120	4709	0	2548	2794	-898	12575	13	12588	1957	14545	49.97
MUs	126.67	6.59	8.83	142.09	5.11	118.99	1.11	94.29	91.53	-22.01	336.81	0.33	337.14	50.35	387.50	49.96

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 19/Dec/2015

Position as on 6.30 Hrs of 20/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	19/12/2015	14.39	Gas shortage	
MSPGCL	Uran Unit 8	108	09/12/2015	12.42	19/12/2015	09.18	Gas shortage	
IPP	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
MSPGCL	Bhusawal Unit 2	210	17/12/2015	01.10	20/12/2015	18.41	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	18/12/2015	00.28	20/12/2015	02.55	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 3	210	19/12/2015	19.08		Continued.	Boiler Tube Leakage	
IPP	RPL(AMT) U-5	270	20/12/2015	09.17		Continued.	P.A.Fan Problem	
IPP	RPL(AMT) U-4	270	20/12/2015	20.55		Continued.	ID Fan Problem	
MSPGCL	Bhusawal Unit 2	210	20/12/2015	21.49		Continued.	Drum level High	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 19/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 20/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							
Kolhapur Solapur(PG) I	InterState	17/12/2015	07.43		Continued.	PO	Line Rectification Work.
Kolhapur Solapur (PG) II	InterState	17/12/2015	08.15		Continued.	PO	Line Rectification Work.
Dhule Sar'Sarovar II	InterState	18/12/2015	13.02	20/12/2015	06.52	PO	Work @ SSNL End(Ckt RFC@19.40)
Dhule Sar'Sarovar I	InterState	18/12/2015	21.56	19/12/2015	07.51	T	Over Voltage
Akola Wardha I	InterState	19/12/2015	11.27	19/12/2015	15.18	PO	Broken Jumper Connection.
Dhule Sar'Sarovar I	InterState	20/12/2015	17.38		Continued.	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	19/12/2015	07.27	PO	Line Rectification work(RFC 17.27Hrs)
Karad-Jaigad - I	IntraState	18/12/2015	16.36	19/12/2015	09.10	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	18/12/2015	17.04	19/12/2015	06.33	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	18/12/2015	22.08	19/12/2015	08.15	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	19/12/2015	07.28		Continued.	HT	Over Voltage (RFG 17.58 Hrs)
Main Bus-II @ Koradi	IntraState	19/12/2015	12.06	19/12/2015	18.45	PO	Jumpering Work.
Karad - Jaigad - II	IntraState	19/12/2015	16.38	20/12/2015	08.47	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/12/2015	17.14	20/12/2015	07.03	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/12/2015	21.35	20/12/2015	08.35	HT	Over Voltage
Karad-Jaigad - I	IntraState	20/12/2015	16.13		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/12/2015	16.51		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/12/2015	17.13		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
400/220 Kv 600 MVA ICT-IV @Padghe	IntraState	17/12/2015	22.57	20/12/2015	21.37	PO	Abnormal DGA.(5 Days)
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	16/12/2015	09.34		Continued.	PO	Tower Erection and Stringing work
Nasik Navsari II	InterState	19/12/2015	10.00	19/12/2015	18.53	PO	outage.
Talandage - Chikodi	InterState	19/12/2015	12.42	20/12/2015	19.26	T	Dist.Prot.R Ph to Earth.
Mudshingi Chikodi	InterState	19/12/2015	12.55	19/12/2015	18.18	T	Dist.Prot.R & Y Ph to Earth.
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.
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
Pophli Pedhmbe Line- 1	IntraState	18/12/2015	06.25	19/12/2015	11.20	PO	Bus Section Outage for Maintenance Work.
Padgha-Temghar-II	IntraState	18/12/2015	10.15	20/12/2015	21.58	PO	Routine Maintenance Work
Kolhapur - 5 Star Ckt I	IntraState	19/12/2015	07.33	19/12/2015	16.08	T	Backup Protection
Kalwa Salsette III	IntraState	19/12/2015	08.24	20/12/2015	17.24	PO	C T Replacement Work @ Kalwa.

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 19/Dec/2015

Statement-VII

Position as on 6.30 Hrs of 20/Dec/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Pedambe-Pophali	IntraState	19/12/2015	10.47	19/12/2015	11.10	PO	SF6 Gas Filling.
Wadkhal - Ipcl 2	IntraState	19/12/2015	11.00		Continued.	PO	Conductor Replacement Work With High Amacity Conductor.
New Koyna - Niwali	IntraState	19/12/2015	11.23	19/12/2015	13.50	PO	Tan Delta Testing Work.
Pedambe-Nerle	IntraState	19/12/2015	11.35	19/12/2015	18.20	PO	Attending Hot Spot
Virur - Virur Rly Tss 2	IntraState	19/12/2015	12.00	19/12/2015	15.00	PO	Measurment of Breaker Timings.Measurment of Tandelta
Virur - Virurlytss1	IntraState	19/12/2015	15.20	19/12/2015	17.00	PO	Measurment of Breaker Timings.Measurment of Tandelta
Kharghar - Kalwa	IntraState	20/12/2015	07.21		Continued.	PO	Tapping TIFL line on kalwa-khargher
Kalwa-TIFIL	IntraState	20/12/2015	07.52	20/12/2015	19.19	PO	Tapping TIFL line on kalwa-khargher
Arey - TPC Borivali	IntraState	20/12/2015	08.53		Continued.	PO	Replacement of Hydraulic cylinder in Gis
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 200 Mva Vijai Ict 1 @Babhleshwar	IntraState	19/12/2015	10.00	19/12/2015	14.05	PO	Quarterly Maintainance Work
220/132 Kv 200MVA ICT II @Dhule	IntraState	19/12/2015	10.18	19/12/2015	16.29	PO	Routine Maintenance Work
220/132 Kv 200 Mva Vijay Ict 2 @Chalisgaon	IntraState	19/12/2015	18.26	19/12/2015	22.12	PO	Measurment of Tandelta of CT SFRA.
132 KV LINE Outages/Trippings							
Paithan-Rajpimpri	IntraState	19/12/2015	05.05	19/12/2015	05.20	T	Distance Protection Operated Zone-I.
Deepnagar- Nimbhora	IntraState	19/12/2015	13.48	19/12/2015	14.58	T	BB Protn Optd @ Deepnagar.
Deepnagar(Gcr) -New Midc Jalgaon	IntraState	19/12/2015	13.48	19/12/2015	14.35	T	BB Protn Optd @ Deepnagar.Load Shifted on
Deepnagar- Muktainagar	IntraState	19/12/2015	13.48	19/12/2015	15.20	T	BB Protn Optd @ Deepnagar.Load Shifted on
Khadka-Deepnagar Ckt-1	IntraState	19/12/2015	13.48	19/12/2015	14.47	T	BB Protn Optd @ Deepnagar.

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