

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 02/Dec/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	140.356	288.310	1) Gujrat	0.109	-0.685
2) Hydro	14.903	29.509	2) Madhya Pradesh	7.349	14.133
3) Gas	10.649	20.833	3) Chattisgarh	7.400	15.080
Total MSPGCL	165.908	338.652	4) Maharashtra Net	104.623	212.216
B) 1) APML	48.820	101.230	5) Goa (Amona)	-0.662	-1.324
2) JSWEL	11.168	22.239	Total	118.819	239.420
3) VIPL	12.348	24.638	a) Mumbai Schedule	19.984	39.990
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	20.444	41.737
5) WPCL	3.987	7.990	c) MSEDCL Bilateral *	17.324	36.751
6) PGPL	0.000	0.000	Include PX	-0.095	-0.095
7) Other IPP	8.523	16.809	d) Mumbai Bilateral *	19.984	39.990
C) 1) TPCL Thermal	14.989	30.303	Include PX	2.015	4.021
2) TPCL Hydro	4.183	7.971	Include Standby	0.000	0.000
3) TPCL Gas	3.521	7.262	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.832	20.600	1) MSEDCL	361.514	729.133
D) STATE			2) Mumbai Discoms	53.969	107.873
1) Thermal	251.023	512.119	TOTAL STATE	415.483	837.006
(A1+C1+C4+(B1-B6))					
2) Hydro	19.086	37.480			
(A2+C2)					
3) Gas	14.170	28.095			
(A3+B6+C3)					
4) Wind	11.172	17.654			
6) SOLAR	1.213	2.238			
TOTAL STATE	296.664	597.586			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6102	6229	6250	5424
MSPGCL Hydro	1587	952	831	113
MSPGCL Gas	454	432	453	421
MSPGCL Total Generation	8143	7613	7534	5958
Central Sector Receipt	5704	5773	5541	3347
WIND	398	333	434	525
CPP / IPP Thermal	3454	3902	3886	3241
CPP / IPP Gas	0	0	0	0
SOLAR	125	7	0	0
Exchange with Mumbai	-752	-873	-941	-554
MSEDCL DEMAND MET	17072	16755	16454	12517
Load Shedding	22	0	0	0
MSEDCL DEMAND	17094	16755	16454	12517
TPCL GENERATION	1223	1277	1264	616
R-INFRA GENERATION	508	507	503	386
MUMBAI DEMAND	2483	2657	2708	1556
STATE DEMAND MET	19555	19412	19162	14073
STATE DEMAND	19577	19412	19162	14073
Frequency (Hz)	49.95	49.95	49.94	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 05.01 Hrs	49.7 Hz at 06.47 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 02/Dec/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	12.60	24.81	565	480
Unit 9	10.40	20.46	453	420
Total	22.99	45.27		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.76	18.86	510	365
Unit 5	10.30	20.40	500	360
Total	21.06	39.26		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.20	10.25	247	175
Unit 7	5.12	10.15	245	185
Unit 8	0.00	0.00	0	0
Total	10.32	20.40		
Chandrapur				
Unit 3	4.48	8.90	202	164
Unit 4	4.42	8.78	195	171
Unit 5	9.81	19.79	455	362
Unit 6	0.00	8.14	0	0
Unit 7	9.07	18.25	398	362
Unit 8	10.82	21.25	500	377
Unit 9	9.98	19.76	460	370
Total	48.58	104.87		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	4.85	10.20	247	0
Total	4.85	10.20		
Khaparkheda				
Unit 1	0.58	4.77	160	0
Unit 2	4.23	8.53	195	160
Unit 3	4.38	8.80	200	161
Unit 4	4.27	8.53	190	162
Unit 5	10.57	21.17	500	361
Total	24.04	51.80		
Nasik				
Unit 3	4.32	8.32	200	160
Unit 4	4.20	8.18	188	160
Unit 5	0.00	0.00	0	0
Total	8.51	16.50		
Uran				
All Units	10.65	20.83	476	394
Total	10.65	20.83		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.09	0.14	23	0
Total	0.09	0.14		
Koyna				
Stage 1-2	3.72	8.37	555	45
Stage 4	5.53	9.94	755	0
Stage 3	1.89	3.63	160	0
Total	11.14	21.94		
Hydro				
KDPH	0.45	0.89	19	18
VTRNA	0.37	0.78	59	0
TILLARI	0.37	0.75	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	0.40	40	0
RNGR+BHTSA	0.37	0.75	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.75	1.21	41	28
GHATGHAR	1.33	2.79	125	0
Total	3.76	7.56		
Wind				
Total	11.17	17.65	0	0
Total	11.17	17.65		
CPP				
APML(Mus)	48.82	101.23	0	0
JSWEL(Mus)	11.17	22.24	0	0
VIPL(Mus)	12.35	24.64	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	3.99	7.99	0	0
Other(Mus)	8.52	16.81	0	0
Total	84.85	172.91		
SOLAR				
Total	1.21	2.24	0	0
Total	1.21	2.24		
Tata				
Trombay 5	9.63	19.61	490	312
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.16	4.49	115	56
Trombay 7B	1.36	2.77	67	42
Trombay 8	5.36	10.69	243	199
TATA Hydro	4.18	7.97	394	34
Total	22.69	45.54		
R-INFRA				
1-2	10.83	20.60	510	384
Total	10.83	20.60		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	0.00	0.00	MSPGCL Thermal	140.36	288.31	MSPGCL Total	165.91	338.65
			MSPGCL Thml+Gas	151.00	309.14	Koyna 1,2 & 4 Total	9.25	18.31
			MSPGCL Hydro	14.90	29.51	State Total	296.66	597.59

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 02/Dec/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			THM	GAS										
1	5430	113	394	5937	535	3244	0	0	4092	3781	-740	12757	0	12757	1737	14494	49.99
2	5430	113	410	5953	537	3255	0	0	3522	3392	-634	12503	0	12503	1636	14139	50.02
3	5424	113	421	5958	525	3241	0	0	3549	3347	-554	12517	0	12517	1556	14073	50.01
4	5402	113	457	5972	508	3241	0	0	3544	3420	-498	12643	0	12643	1501	14144	50.01
5	5280	108	456	5844	507	3250	0	0	4090	3857	-510	12948	0	12948	1513	14461	49.98
6	5564	145	473	6182	487	3443	0	0	4571	4172	-573	13711	0	13711	1613	15324	49.96
7	6164	391	463	7018	480	3772	0	0	5156	4684	-657	15297	0	15297	1837	17134	49.93
8	6115	1374	476	7965	471	3419	0	15	5470	5280	-600	16550	41	16591	1964	18555	49.82
9	6012	1354	462	7828	392	3431	0	73	5633	5761	-742	16743	94	16837	2314	19151	49.92
10	6102	1587	454	8143	398	3454	0	125	5705	5704	-752	17072	22	17094	2483	19577	49.95
11	6244	1532	459	8235	405	3422	0	160	5797	5513	-1004	16731	0	16731	2764	19495	49.95
12	6239	1108	437	7784	321	3405	0	173	5881	5871	-1058	16496	0	16496	2802	19298	50.03
13	6193	836	427	7456	266	3455	0	176	5856	5613	-987	15979	0	15979	2766	18745	49.94
14	6169	800	425	7394	259	3612	0	175	5845	5899	-992	16347	0	16347	2646	18993	49.97
15	6219	718	431	7368	218	3728	0	143	5887	5793	-993	16257	0	16257	2679	18936	49.96
16	6168	720	420	7308	222	3831	0	107	5879	5662	-949	16181	0	16181	2691	18872	49.94
17	6163	777	433	7373	217	3897	0	59	5826	5762	-913	16395	0	16395	2688	19083	49.96
18	6229	952	432	7613	333	3902	0	7	5804	5773	-873	16755	0	16755	2657	19412	49.95
19	6250	831	453	7534	434	3886	0	0	5817	5541	-941	16454	0	16454	2708	19162	49.94
20	6048	336	437	6821	548	3797	0	0	5805	5438	-1149	15455	0	15455	2595	18050	50.00
21	5497	329	446	6272	655	3610	0	0	5714	5466	-1189	14814	0	14814	2403	17217	49.99
22	5424	266	457	6147	798	3601	0	0	5543	4980	-1138	14388	0	14388	2280	16668	49.98
23	5322	120	465	5907	812	3583	0	0	5141	4296	-1043	13555	0	13555	2109	15664	49.94
24	5268	167	461	5896	844	3367	0	0	3773	3814	-955	12966	0	12966	2027	14993	50.01
MUs	140.36	14.90	10.65	165.91	11.17	84.85	0.00	1.21	123.90	118.82	-20.44	361.51	0.16	361.67	53.97	415.64	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 02/Dec/2016

Position as on 6.30 Hrs of 03/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Paras Unit 3	250	25/10/2016	08.54		Continued.	(Stator Fault)continued under AOH.26/10/2016 00.00hrs	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	
IPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Koyana Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
IPP	Adani U-1	660	06/11/2016	11.10		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 5	210	12/11/2016	19.20		Continued.	Economizer Tube Leakage (continued under zero schedule).	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule	
IPP	JSW (J) U1	300	16/11/2016	14.38		Continued.	Due To CW Duct Leakage.	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Schedule.	
MSPGCL	Koradi Unit 7	210	18/11/2016	01.17		Continued.	Zero Schedule.	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	w/dn for balance work.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 02/Dec/2016

Position as on 6.30 Hrs of 03/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PGPL	PGPL U1	262	23/11/2016	19.30		Continued.	No schedule.	
PGPL	PGPL U2	126	23/11/2016	19.33		Continued.	No schedule.	
MSPGCL	Koradi Unit 10	660	30/11/2016	05.05		Continued.	Loss of fuel	
IPP	JSW (J) U2	300	01/12/2016	00.00		Continued.	No Schedule.	
MSPGCL	Chandrapur Unit 6	500	01/12/2016	19.54		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 1	210	02/12/2016	03.52		Continued.	Boiler Tube Leakage	
IPP	Adani U-4	660	02/12/2016	06.46	02/12/2016	12.22	Tripped.	
MSPGCL	Paras Unit 4	250	02/12/2016	07.27	02/12/2016	09.10	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 03/Dec/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							
Dhule Sar'Sarovar I	InterState	01/12/2016	18.55	02/12/2016	05.38	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	01/12/2016	21.10	02/12/2016	05.59	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	02/12/2016	19.11	03/12/2016	06.35	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	02/12/2016	22.56	03/12/2016	06.40	HT	Over Voltage
Ektuni-Bableshtar ckt I	IntraState	09/10/2016	12.29		Continued.	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
karad -kolhapur-I	IntraState	01/12/2016	19.05	02/12/2016	06.48	HT	Over Voltage
Karad - Jaigad - II	IntraState	01/12/2016	19.09		Continued.	HT	Over Voltage
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	02/12/2016	09.15	02/12/2016	20.11	PO	Attending Corona Ring.
TBC @ chandrapur	IntraState	02/12/2016	10.10	02/12/2016	17.57	PO	Diagnostic Testing.
Koradi-Khaperkheda li	IntraState	02/12/2016	10.42	02/12/2016	18.19	PO	Diagnostic Testing.
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT II @Bableshtar	IntraState	27/11/2016	12.55	02/12/2016	16.00	T	Due to Tertiary PT Burst.
400 KV 315MVA ICT-II @ Boisar(PG)	IntraState	02/12/2016	09.24	02/12/2016	16.30	PO	Annual Maintenance Work
220 KV LINE Outages/Trippings							
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.
Bableshtar - Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableshtar - Bhenda	IntraState	24/10/2016	06.57		Continued.	HT	Alephata line loading.
Kalwa - Borivali	IntraState	27/10/2016	08.32		Continued.	HT	Outage availed on28.10.2016 at 08:09 hrs for construction activity of Mumbai strenghtning work
Mulund - GIS Bhandup	IntraState	27/10/2016	08.53		Continued.	HT	outage availed on 28.10.2016 at 09:30hrs for construction activity of mumbai strenghtning work.
Pophali - Nerale	IntraState	17/11/2016	22.40	02/12/2016	15.15	PO	Erection of Tower and Conductor Restraining Work.
Ghodbunder - Gorai	IntraState	02/12/2016	08.32	02/12/2016	19.41	PO	Repl.of CVT Under SIS DPR Scheme.
Apta - Kalwa	IntraState	02/12/2016	09.14	02/12/2016	15.59	PO	Diagnostic Testing.
Padghe - Jambhul 2	IntraState	02/12/2016	09.43	02/12/2016	23.13	PO	Testing Work
Bapgaon - Kalwa	IntraState	02/12/2016	10.42	02/12/2016	17.45	PO	Diagnostic Testing.
Uran - Ongc Uran	IntraState	02/12/2016	15.30	02/12/2016	16.00	PO	PT Fuse Replacement Work.
Eklahara(Gcr)(Nasik)- Bableshtar-I	IntraState	02/12/2016	17.48	03/12/2016	03.28	PO	Attending Hot Spot
Nashik-Airoli Knowledge Park	IntraState	02/12/2016	22.48	03/12/2016	03.37	HT	H/T due to nasik-bblr-1 outage & load control
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(Now repaired and ready for commissioning)
220/100 Kv 50 Mva Gec Ict 1 @Kandalgaon	IntraState	02/12/2016	09.30	02/12/2016	12.05	PO	Attending Hot Spot
220/100 Kv 100 MVA ICT I @Vasai-II	IntraState	02/12/2016	10.55	02/12/2016	12.57	PO	Diagnostic Testing.
220/100 Kv 100 MVA ICT I @Vasai-II	IntraState	02/12/2016	14.35	02/12/2016	17.06	PO	Diagnostic Testing.
132 KV LINE Outages/Trippings							
Patur-Malegaon	IntraState	02/12/2016	08.35	02/12/2016	08.45	T	Distance Protection

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 02/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 03/Dec/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Malegaon-Mangrulpir	IntraState	02/12/2016	09.20	02/12/2016	09.30	T	for akola ict over loading