

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Dec/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	141.790	2753.382	1) Gujrat	-4.128	-52.079
2) Hydro	18.055	391.339	2) Madhya Pradesh	6.250	133.947
3) Gas	9.728	190.019	3) Chattisgarh	7.370	145.130
Total MSPGCL	169.573	3334.740	4) Maharashtra Net	104.645	2198.365
B) 1) APLM	49.740	980.934	5) Goa (Amona)	-0.640	-12.992
2) JSWEL	11.559	217.818	Total	113.497	2412.371
3) VIPL	12.118	244.318	a) Mumbai Schedule	22.229	419.416
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	24.864	468.288
5) WPCL	4.288	75.574	c) MSEDCL Bilateral *	34.466	468.023
6) PGPL	2.786	27.691	Include PX	-0.086	10.723
7) Other IPP	8.824	182.866	d) Mumbai Bilateral *	22.229	419.416
C) 1) TPCL Thermal	9.034	200.455	Include PX	3.797	68.092
2) TPCL Hydro	5.113	89.275	Include Standby	0.000	0.000
3) TPCL Gas	4.042	78.905	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.386	209.386	1) MSEDCL	357.163	7217.627
D) STATE			2) Mumbai Discoms	53.439	1046.306
1) Thermal	247.739	4864.733	TOTAL STATE	410.602	8263.933
(A1+C1+C4+(B1-B6))					
2) Hydro	23.168	480.614			
(A2+C2)					
3) Gas	16.556	296.615			
(A3+B6+C3)					
4) Wind	8.350	185.876			
6) SOLAR	1.292	23.727			
TOTAL STATE	297.105	5851.565			

* 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 3 Hrs
MSPGCL Thermal	6526	6439	5863	5404
MSPGCL Hydro	1434	1599	465	87
MSPGCL Gas	311	296	418	444
MSPGCL Total Generation	8271	8334	6746	5935
Central Sector Receipt	5707	5594	5431	3397
WIND	336	135	186	606
CPP / IPP Thermal	3856	3849	3805	3268
CPP / IPP Gas	231	231	46	0
SOLAR	167	195	0	0
Exchange with Mumbai	-1113	-1118	-1387	-700
MSEDCL DEMAND MET	17455	17220	14827	12506
Load Shedding	0	0	0	0
MSEDCL DEMAND	17455	17220	14827	12506
TPCL GENERATION	1081	1072	903	470
R-INFRA GENERATION	505	508	385	386
MUMBAI DEMAND	2699	2698	2675	1556
STATE DEMAND MET	20154	19918	17502	14062
STATE DEMAND	20154	19918	17502	14062
Frequency (Hz)	49.97	50.00	50.00	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 06.02 Hrs	49.81 Hz at 09.16 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 20/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	41.25	0	0
Unit 8	0.00	144.07	0	0
Unit 9	8.52	183.40	358	351
Total	8.52	368.71		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.02	204.04	500	345
Unit 5	10.08	202.08	510	360
Total	20.10	406.11		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.20	103.82	246	189
Unit 7	5.11	101.01	248	180
Unit 8	0.00	0.00	0	0
Total	10.32	204.82		
Chandrapur				
Unit 3	4.36	77.04	200	157
Unit 4	3.98	86.94	181	145
Unit 5	9.86	193.90	460	364
Unit 6	9.87	130.90	450	358
Unit 7	8.81	185.38	389	350
Unit 8	10.50	153.34	500	370
Unit 9	9.73	108.19	479	366
Total	57.11	935.68		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.16	106.16	248	196
Total	5.16	106.16		
Khaparkheda				
Unit 1	4.12	74.93	195	155
Unit 2	4.13	84.88	195	160
Unit 3	4.25	87.02	202	160
Unit 4	4.19	84.83	193	161
Unit 5	10.59	214.80	500	367
Total	27.27	546.46		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.22	52.96	201	164
Unit 5	4.17	66.17	200	160
Total	8.40	164.48		
Uran				
All Units	9.73	190.02	446	296
Total	9.73	190.02		
PGPL				
Unit 1	1.69	17.05	143	0
Unit 2	1.10	10.64	91	0
Total	2.79	27.69		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.05	4.38	23	0
Total	0.05	4.38		
Koyna				
Stage 1-2	4.27	111.00	420	40
Stage 4	7.08	146.44	828	0
Stage 3	2.63	54.88	240	0
Total	13.98	312.32		
Hydro				
KDPH	0.37	8.07	36	0
VTRNA	0.42	8.55	59	0
TILLARI	0.00	5.64	2	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.29	5.16	80	0
RNGR+BHTSA	0.37	6.64	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.79	13.75	40	30
GHATGHAR	1.84	31.20	250	0
Total	4.08	79.02		
Wind				
Total	8.35	185.88	0	0
Total	8.35	185.88		
CPP				
APML(Mus)	49.74	980.93	0	0
JSWEL(Mus)	11.56	217.82	0	0
VIPL(Mus)	12.12	244.32	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.29	75.57	0	0
Other(Mus)	8.82	182.87	0	0
Total	86.53	1701.51		
SOLAR				
Total	1.29	23.73	0	0
Total	1.29	23.73		
Tata				
Trombay 5	9.03	185.05	475	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.52	49.09	115	94
Trombay 7B	1.52	29.82	68	59
Trombay 8	0.00	15.40	0	0
TATA Hydro	5.11	89.28	427	0
Total	18.19	368.64		
R-INFRA				
1-2	10.39	209.39	509	385
Total	10.39	209.39		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Koradi 10	4.91	20.94

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	141.79	2753.38
MSPGCL Thml+Gas	151.52	2943.40
MSPGCL Hydro	18.06	391.34

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	169.57	3334.74
Koyna 1,2 & 4 Total	11.35	257.44
State Total	297.10	5851.56

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Dec/2016

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	5397	87	445	5929	334	3256	0	0	3629	3915	-926	12508	0	12508	1784	14292	49.97
2	5430	92	446	5968	481	3281	0	0	3914	3554	-804	12480	0	12480	1660	14140	49.98
3	5404	87	444	5935	606	3268	0	0	3895	3397	-700	12506	0	12506	1556	14062	49.99
4	5404	101	436	5941	635	3274	0	0	3596	3385	-656	12579	0	12579	1513	14092	49.96
5	5429	91	445	5965	652	3269	28	0	3555	3712	-658	12968	0	12968	1515	14483	49.96
6	5442	759	443	6644	667	3301	80	0	3835	4036	-728	14000	0	14000	1609	15609	49.93
7	5607	974	444	7025	619	3496	159	0	4944	5138	-825	15612	0	15612	1795	17407	49.97
8	6368	763	445	7576	550	3744	220	13	5308	5363	-695	16771	0	16771	1885	18656	49.93
9	6554	980	428	7962	423	3862	231	74	5430	5321	-826	17047	0	17047	2213	19260	49.93
10	6582	1494	349	8425	387	3868	231	129	5447	5272	-908	17404	0	17404	2453	19857	49.96
11	6526	1434	311	8271	336	3856	231	167	5517	5707	-1113	17455	0	17455	2699	20154	49.97
12	6500	1558	297	8355	216	3852	232	186	5608	5319	-1160	17000	0	17000	2722	19722	49.97
13	6439	1599	296	8334	135	3849	231	195	5572	5594	-1118	17220	0	17220	2698	19918	50.00
14	6443	1541	301	8285	94	3822	231	181	5502	5501	-1111	17003	0	17003	2606	19609	50.00
15	6390	1449	353	8192	68	3850	232	155	5528	5438	-1134	16801	0	16801	2647	19448	49.96
16	6384	1583	417	8384	66	3853	233	116	5532	5275	-1092	16835	0	16835	2667	19502	49.92
17	6398	1316	414	8128	73	3844	233	67	5497	5266	-1128	16483	0	16483	2684	19167	49.96
18	5911	521	417	6849	138	3821	168	9	5268	5236	-1327	14894	0	14894	2634	17528	49.97
19	5863	465	418	6746	186	3805	46	0	5517	5431	-1387	14827	0	14827	2675	17502	50.00
20	5547	324	436	6307	282	3712	0	0	5386	5336	-1363	14274	0	14274	2597	16871	50.00
21	5462	385	424	6271	356	3627	0	0	4747	4695	-1433	13516	0	13516	2473	15989	49.95
22	5452	194	444	6090	353	3459	0	0	4584	4050	-1410	12542	0	12542	2280	14822	50.01
23	5465	137	432	6034	361	3293	0	0	4205	3882	-1284	12286	0	12286	2139	14425	49.99
24	5393	121	443	5957	332	3267	0	0	3825	3675	-1078	12153	0	12153	1935	14088	49.96
MUs	141.79	18.06	9.73	169.57	8.35	86.53	2.79	1.29	115.84	113.50	-24.86	357.16	0.00	357.16	53.44	410.60	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 20/Dec/2016

Position as on 6.30 Hrs of 21/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	
MSPGCL	Koradi Unit-8	660	12/12/2016	23.59		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
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	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
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	
RGPPL	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	Koyna 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	
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	Parli Unit 8	250	18/11/2016	16.23		Continued.	w/dn for balance work.	
IPP	JSW (J) U2	300	01/12/2016	00.00		Continued.	No Schedule.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Dec/2016

Position as on 6.30 Hrs of 21/Dec/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
TPC_G	Trombay 8	250	03/12/2016	23.43		Continued.	Boiler Recertification & LP Turbine Inspection.	
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	
PGPL	PGPL U2	126	19/12/2016	19.16	20/12/2016	05.00	No Schedule	
PGPL	PGPL U1	262	19/12/2016	19.16	20/12/2016	04.00	No Schedule	
MSPGCL	Koradi Unit 7	210	19/12/2016	21.52		Continued.	Zero Schedule BY MSEDCL	
MSPGCL	Uran Unit 5	108	20/12/2016	09.19	20/12/2016	13.20	Filter Replacement	
PGPL	PGPL U1	262	20/12/2016	18.30	21/12/2016	04.00	No Schedule	
PGPL	PGPL U2	126	20/12/2016	18.32	21/12/2016	05.00	No Schedule	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 21/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 II	InterState	19/12/2016	19.22	20/12/2016	07.29	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	20/12/2016	11.27	20/12/2016	11.34	T	Tripped from SSP End Only.
Dhule Sar'Sarovar II	InterState	20/12/2016	18.08	21/12/2016	06.23	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	17/12/2016	07.47	20/12/2016	15.16	HT	Over Voltage
karad -kolhapur-II	IntraState	19/12/2016	16.48	20/12/2016	09.24	HT	Over Voltage
Karad-Jaigad - I	IntraState	19/12/2016	16.53	20/12/2016	10.43	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/12/2016	17.53	20/12/2016	07.12	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	20/12/2016	15.19	20/12/2016	22.30	HT	Over Voltage
karad -kolhapur-I	IntraState	20/12/2016	17.03		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/12/2016	19.46	21/12/2016	05.45	HT	Over Voltage
Karad - Jaigad - II	IntraState	20/12/2016	20.49		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	20/12/2016	22.31		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	20/12/2016	15.39	20/12/2016	23.59	EO	Isolator Work.
400/220KV 500MVA ICT-I @Nanded	IntraState	21/12/2016	00.34	21/12/2016	03.41	T	PRV Protection.
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.
Kalwa - Borivali	IntraState	27/10/2016	08.32		Continued.	HT	Outage availed on 28.10.2016 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.
Bhandara-Sunflag 2	IntraState	20/12/2016	09.14	20/12/2016	16.44	PO	Attending Breaker Work @ sunflag End.
karad - Dasgaon	IntraState	20/12/2016	09.37		Continued.	PO	Construction Work.
Satara (MIDC)-Ajinkyatara	IntraState	20/12/2016	10.00	20/12/2016	11.55	PO	Routine Maintenance Work
Virur - Virurlytss1	IntraState	20/12/2016	12.30	20/12/2016	17.10	PO	Retrofitting Work of Numerical Backup Relay.
Vsnl-512 Khadki	IntraState	20/12/2016	15.55	20/12/2016	19.09	PO	Attending Hot Spot
Jejuri- Ismt- Lonand	IntraState	21/12/2016	02.29	21/12/2016	02.59	T	Distance Protection
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	15/12/2016	12.15		Continued.	PO	Augumentation Work(Outage for 3 Months).
220/132-110kv 100mva Ptr 2 @Oglewadi	IntraState	20/12/2016	10.33	20/12/2016	16.40	PO	Maintenance Work.
220/132 Kv 200 Mva ICT-I @Girwali	IntraState	20/12/2016	11.06	20/12/2016	14.03	PO	Tan Delta & Capacitance Test of HV CT & Bay Maint.Work.
220/132 Kv 200 MVA ICT-III @Girwali	IntraState	20/12/2016	14.08	20/12/2016	16.08	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Narsi - Degloor	IntraState	20/12/2016	05.12	20/12/2016	05.25	T	Distance Protection

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