

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Dec/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.654	1781.850	1) Gujrat	-0.866	-37.628
2) Hydro	20.530	260.660	2) Madhya Pradesh	7.062	85.031
3) Gas	8.847	134.519	3) Chattisgarh	5.750	97.160
Total MSPGCL	163.031	2177.029	4) Maharashtra Net	109.319	1427.147
B) 1) APML	43.648	652.778	5) Goa (Amona)	-0.640	-8.448
2) JSWEL	8.333	142.470	Total	120.625	1563.262
3) VIPL	12.817	157.946	a) Mumbai Schedule	22.166	267.679
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	22.861	290.790
5) WPCL	4.268	52.665	c) MSEDCL Bilateral *	17.234	249.073
6) PGPL	2.938	13.582	Include PX	2.107	7.833
7) Other IPP	9.498	118.269	d) Mumbai Bilateral *	22.166	267.679
C) 1) TPCL Thermal	9.682	135.600	Include PX	3.627	40.321
2) TPCL Hydro	5.280	58.804	Include Standby	0.000	0.000
3) TPCL Gas	3.148	53.813	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.666	135.586	1) MSEDCL	361.962	4733.930
D) STATE			2) Mumbai Discoms	51.635	674.588
1) Thermal	232.566	3177.164	TOTAL STATE	413.597	5408.518
(A1+C1+C4+(B1-B6))					
2) Hydro	25.810	319.464			
(A2+C2)					
3) Gas	14.933	201.914			
(A3+B6+C3)					
4) Wind	18.443	131.120			
6) SOLAR	1.222	15.599			
TOTAL STATE	292.974	3845.261			

* 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 4 Hrs
MSPGCL Thermal	5925	6029	6007	4935
MSPGCL Hydro	1842	1399	1371	190
MSPGCL Gas	445	269	273	436
MSPGCL Total Generation	8212	7697	7651	5561
Central Sector Receipt	6019	5976	6182	2933
WIND	759	528	502	975
CPP / IPP Thermal	3303	3286	3290	3180
CPP / IPP Gas	231	232	200	0
SOLAR	123	7	0	0
Exchange with Mumbai	-966	-1023	-1081	-537
MSEDCL DEMAND MET	17681	16704	16744	12112
Load Shedding	0	0	0	0
MSEDCL DEMAND	17681	16704	16744	12112
TPCL GENERATION	889	1011	1018	496
R-INFRA GENERATION	507	508	503	386
MUMBAI DEMAND	2362	2542	2602	1419
STATE DEMAND MET	20043	19246	19346	13532
STATE DEMAND	20043	19246	19346	13532
Frequency (Hz)	49.95	49.89	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.23 Hz at 05.01 Hrs	49.8 Hz at 22.09 Hrs	49.95	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 13/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	3.88	18.79	170	153
Unit 8	0.00	144.07	0	0
Unit 9	8.29	124.36	362	272
Total	12.16	287.22		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.58	131.58	510	350
Unit 5	10.59	132.32	510	350
Total	21.17	263.90		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.27	67.10	244	190
Unit 7	5.29	65.56	248	184
Unit 8	0.00	0.00	0	0
Total	10.55	132.66		
Chandrapur				
Unit 3	4.52	46.19	200	170
Unit 4	4.38	57.12	194	168
Unit 5	10.03	124.54	460	363
Unit 6	10.00	62.53	450	349
Unit 7	9.01	121.57	394	344
Unit 8	10.47	84.91	489	365
Unit 9	0.00	71.32	0	0
Total	48.42	568.17		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.03	69.18	257	120
Total	5.03	69.18		
Khaparkheda				
Unit 1	4.03	45.36	195	110
Unit 2	4.26	55.23	200	160
Unit 3	4.41	56.69	205	160
Unit 4	4.26	55.19	194	160
Unit 5	10.85	140.13	500	370
Total	27.81	352.61		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.22	22.89	200	145
Unit 5	4.28	36.21	198	166
Total	8.50	104.45		
Uran				
All Units	8.85	134.52	461	250
Total	8.85	134.52		
PGPL				
Unit 1	1.80	8.45	145	0
Unit 2	1.13	5.13	91	0
Total	2.94	13.58		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.10	3.41	40	0
Total	0.10	3.41		
Koyna				
Stage 1-2	6.38	75.24	525	45
Stage 4	6.84	96.68	858	0
Stage 3	3.07	36.74	240	0
Total	16.28	208.66		
Hydro				
KDPH	0.20	6.82	19	0
VTRNA	0.44	5.51	61	0
TILLARI	0.38	4.90	64	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	3.27	80	0
RNGR+BHTSA	0.37	4.10	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.80	8.32	41	30
GHATGHAR	1.76	19.08	250	0
Total	4.24	52.00		
Wind				
Total	18.44	131.12	0	0
Total	18.44	131.12		
CPP				
APML(Mus)	43.65	652.78	0	0
JSWEL(Mus)	8.33	142.47	0	0
VIPL(Mus)	12.82	157.95	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.27	52.66	0	0
Other(Mus)	9.50	118.27	0	0
Total	78.56	1124.13		
SOLAR				
Total	1.22	15.60	0	0
Total	1.22	15.60		
Tata				
Trombay 5	9.68	120.20	474	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.88	33.81	115	53
Trombay 7B	1.27	20.00	67	43
Trombay 8	0.00	15.40	0	0
TATA Hydro	5.28	58.80	459	30
Total	18.11	248.22		
R-INFRA				
1-2	10.67	135.59	510	383
Total	10.67	135.59		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	0.00	3.67	MSPGCL Thermal	133.65	1781.85	MSPGCL Total	163.03	2177.03
			MSPGCL Thml+Gas	142.50	1916.37	Koyna 1,2 & 4 Total	13.22	171.93
			MSPGCL Hydro	20.53	260.66	State Total	292.97	3845.26

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/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	4979	150	434	5563	910	3208	0	0	3603	3262	-750	12193	0	12193	1633	13826	49.98
2	4977	245	446	5668	955	3197	0	0	3324	3122	-656	12286	0	12286	1539	13825	49.99
3	4962	240	445	5647	1000	3168	0	0	3296	2888	-591	12112	0	12112	1476	13588	50.06
4	4935	190	436	5561	975	3180	0	0	3284	2933	-537	12112	0	12112	1419	13532	50.00
5	4857	670	456	5983	929	3193	26	0	3269	3151	-562	12720	0	12720	1446	14166	49.98
6	4891	980	437	6308	855	3175	68	0	3716	3744	-670	13479	0	13479	1553	15032	50.00
7	5770	885	460	7115	816	3271	158	0	4655	4436	-850	14946	0	14946	1757	16703	49.95
8	5921	1380	440	7741	743	3387	218	13	5067	5355	-737	16720	0	16720	1880	18600	49.93
9	5906	1581	461	7948	751	3359	231	76	5400	5704	-903	17166	0	17166	2211	19377	49.96
10	5925	1842	445	8212	759	3303	231	123	5600	6019	-966	17681	0	17681	2362	20043	49.95
11	5996	1657	432	8085	811	3259	231	165	5674	5863	-1165	17249	0	17249	2632	19881	49.97
12	6029	702	419	7150	816	3260	231	181	5706	5981	-1176	16443	0	16443	2667	19110	49.98
13	5971	816	415	7202	766	3276	191	180	5378	5645	-1142	16118	0	16118	2624	18742	49.96
14	5923	915	328	7166	637	3276	187	174	5320	5953	-1051	16341	0	16341	2530	18871	49.95
15	6006	1119	301	7426	605	3295	231	145	5289	5548	-1055	16195	0	16195	2564	18759	49.90
16	6018	849	285	7152	566	3279	232	101	5586	6043	-1064	16310	0	16310	2568	18878	49.89
17	6031	1163	250	7444	545	3272	232	57	5536	5956	-1035	16471	0	16471	2559	19030	49.90
18	6029	1399	269	7697	528	3286	232	7	5517	5976	-1023	16704	0	16704	2542	19246	49.89
19	6007	1371	273	7651	502	3290	200	0	5344	6182	-1081	16744	0	16744	2602	19346	49.94
20	5713	777	280	6770	552	3333	39	0	5498	6040	-1121	15613	0	15613	2510	18123	49.94
21	5472	493	279	6244	734	3373	0	0	5485	5998	-1175	15174	0	15174	2400	17574	49.91
22	5335	560	280	6175	848	3371	0	0	5403	5421	-1267	14548	0	14548	2198	16746	49.97
23	5052	311	293	5656	915	3315	0	0	5177	5160	-1236	13810	0	13810	2061	15871	49.93
24	4949	235	283	5467	925	3239	0	0	4307	4245	-1048	12828	0	12828	1904	14732	49.94
MUs	133.65	20.53	8.85	163.03	18.44	78.56	2.94	1.22	116.43	120.63	-22.86	361.96	0.00	361.96	51.64	413.60	49.95

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 13/Dec/2016

Position as on 6.30 Hrs of 14/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								
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	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 13/Dec/2016

Position as on 6.30 Hrs of 14/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.	
PGPL	PGPL U1	262	09/12/2016	19.30	13/12/2016	04.00	NO SCHEDULE.	
PGPL	PGPL U2	126	09/12/2016	19.30	13/12/2016	05.10	NO SCHEDULE.	
MSPGCL	Nasik Unit 3	210	11/12/2016	16.50		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 10	660	12/12/2016	15.26		Continued.	Water seperator drain tank level high	
MSPGCL	Chandrapur Unit 9	500	12/12/2016	22.07		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 7	108	13/12/2016	16.24		Continued.	Gas shortage	
MSPGCL	Uran Unit B0	120	13/12/2016	16.25		Continued.	Gas shortage	
PGPL	PGPL U2	126	13/12/2016	19.30	14/12/2016	05.01	No Schedule	
PGPL	PGPL U1	262	13/12/2016	19.30	14/12/2016	03.59	No Schedule	
CPP	WPCL U-4	135	14/12/2016	05.50		Continued.	ID Fan Problem	
MSPGCL	Bhusawal Unit 5	500	14/12/2016	06.05		Continued.	ID Fan Problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 14/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	12/12/2016	18.38	13/12/2016	06.28	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	12/12/2016	23.43	13/12/2016	07.08	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	13/12/2016	02.02	13/12/2016	06.30	T	Over Voltage
Dhule Sar'Sarovar I	InterState	13/12/2016	08.46	13/12/2016	18.25	PO	Work at SSNL end.
Padgha - Boisar (PG)	InterState	13/12/2016	12.05	13/12/2016	20.52	T	Over Voltage
Koradi Bhilai	InterState	13/12/2016	16.04	13/12/2016	17.45	T	Distance Protection
Kolhapur Solapur (PG) II	InterState	14/12/2016	01.52	14/12/2016	06.24	HT	Over Voltage
karad -kolhapur-I	IntraState	09/12/2016	18.37	13/12/2016	10.08	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	09/12/2016	19.37		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	10/12/2016	18.26	13/12/2016	09.11	HT	Over Voltage
N.Koyna-Karad -Ckt II	IntraState	13/12/2016	10.14		Continued.	PO	Routine maintenance work RFC 18.04.
karad -kolhapur-II	IntraState	13/12/2016	19.18		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	13/12/2016	23.05		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kV 315MVA ICT-III @ Kharghar	IntraState	13/12/2016	09.45	13/12/2016	19.10	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.
Bableshwar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableshwar -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.
Pusad-Ghatodi	IntraState	12/12/2016	22.19	13/12/2016	01.50	PO	Attending Oil Leakage
Pedhambe - Oni	IntraState	13/12/2016	09.03	13/12/2016	16.35	EO	Attending Hot Spot
Uran - Apta II	IntraState	13/12/2016	09.58	13/12/2016	14.43	PO	Testing Work
Busa Section II @ Murud	IntraState	13/12/2016	12.12	13/12/2016	14.50	PO	Quarterly Maintainance Work
Lonikand (400 Kv)-Theur li	IntraState	13/12/2016	14.09	13/12/2016	15.53	PO	Line Maintenance work
Pedambe-Pophali	IntraState	13/12/2016	14.25	13/12/2016	15.05	T	Distance Protection
Kharghar Trombay	IntraState	13/12/2016	17.19	13/12/2016	21.25	PO	Due to sparking on LA terminal at kharghar end.
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)
132 KV LINE Outages/Trippings							
Partur-Mantha	IntraState	13/12/2016	13.40	13/12/2016	14.05	T	Distance Protection

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