

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Dec/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.039	1914.889	1) Gujrat	-1.600	-39.228
2) Hydro	21.407	282.067	2) Madhya Pradesh	6.558	91.589
3) Gas	6.721	141.240	3) Chattisgarh	6.760	103.920
Total MSPGCL	161.167	2338.196	4) Maharashtra Net	111.821	1538.968
B) 1) APML	43.821	696.599	5) Goa (Amona)	-0.686	-9.134
2) JSWEL	10.160	152.630	Total	122.853	1686.115
3) VIPL	12.897	170.843	a) Mumbai Schedule	22.411	290.090
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	24.648	315.438
5) WPCL	2.103	54.768	c) MSEDCL Bilateral *	17.492	266.565
6) PGPL	3.008	16.590	Include PX	1.512	9.345
7) Other IPP	9.378	127.647	d) Mumbai Bilateral *	22.411	290.090
C) 1) TPCL Thermal	9.800	145.400	Include PX	4.315	44.636
2) TPCL Hydro	5.526	64.330	Include Standby	0.000	0.000
3) TPCL Gas	2.306	56.119	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.985	146.571	1) MSEDCL	355.425	5089.355
D) STATE			2) Mumbai Discoms	53.265	727.853
1) Thermal	232.183	3409.347	TOTAL STATE	408.690	5817.208
(A1+C1+C4+(B1-B6))					
2) Hydro	26.933	346.397			
(A2+C2)					
3) Gas	12.035	213.949			
(A3+B6+C3)					
4) Wind	13.832	144.952			
6) SOLAR	0.854	16.453			
TOTAL STATE	285.837	4131.098			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	5731	6076	6076	4992
MSPGCL Hydro	972	1938	1993	98
MSPGCL Gas	277	273	274	284
MSPGCL Total Generation	6980	8287	8343	5374
Central Sector Receipt	6453	5312	5394	3560
WIND	614	409	405	886
CPP / IPP Thermal	3202	3337	3309	3255
CPP / IPP Gas	232	232	191	0
SOLAR	101	3	0	0
Exchange with Mumbai	-1228	-1127	-1190	-763
MSEDCL DEMAND MET	16354	16453	16453	12312
Load Shedding	0	0	0	0
MSEDCL DEMAND	16354	16453	16453	12312
TPCL GENERATION	902	1021	1013	411
R-INFRA GENERATION	506	508	509	384
MUMBAI DEMAND	2636	2656	2712	1558
STATE DEMAND MET	18990	19109	19165	13870
STATE DEMAND	18990	19109	19165	13870
Frequency (Hz)	49.95	49.88	49.96	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 21.57 Hrs	49.7 Hz at 21.07 Hrs	49.93	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 14/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	3.80	22.59	165	149
Unit 8	0.00	144.07	0	0
Unit 9	8.43	132.79	358	347
Total	12.23	299.44		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.84	142.42	510	355
Unit 5	8.58	140.90	500	0
Total	19.42	283.32		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.31	72.40	248	190
Unit 7	4.93	70.50	227	187
Unit 8	0.00	0.00	0	0
Total	10.24	142.90		
Chandrapur				
Unit 3	4.52	50.70	200	169
Unit 4	4.44	61.56	193	167
Unit 5	10.04	134.58	460	365
Unit 6	9.87	72.40	450	340
Unit 7	8.90	130.47	416	349
Unit 8	10.46	95.37	500	329
Unit 9	0.00	71.32	0	0
Total	48.22	616.39		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.50	74.68	250	192
Total	5.50	74.68		
Khaparkheda				
Unit 1	4.37	49.73	200	160
Unit 2	4.32	59.56	200	160
Unit 3	4.44	61.13	203	160
Unit 4	4.33	59.52	193	160
Unit 5	11.08	151.21	500	369
Total	28.54	381.15		
Nasik				
Unit 3	0.00	45.35	0	0
Unit 4	4.45	27.34	203	163
Unit 5	4.40	40.61	199	164
Total	8.85	113.30		
Uran				
All Units	6.72	141.24	296	264
Total	6.72	141.24		
PGPL				
Unit 1	1.84	10.29	141	0
Unit 2	1.17	6.30	92	0
Total	3.01	16.59		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.13	3.54	37	0
Total	0.13	3.54		
Koyna				
Stage 1-2	5.90	81.14	535	40
Stage 4	8.55	105.24	929	0
Stage 3	3.08	39.82	240	0
Total	17.54	226.20		
Hydro				
KDPH	0.00	6.82	0	0
VTRNA	0.43	5.94	60	0
TILLARI	0.38	5.28	64	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.35	3.62	80	0
RNGR+BHTSA	0.37	4.47	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.81	9.13	44	31
GHATGHAR	1.53	20.61	250	0
Total	3.87	55.86		
Wind				
Total	13.83	144.95	0	0
Total	13.83	144.95		
CPP				
APML(Mus)	43.82	696.60	0	0
JSWEL(Mus)	10.16	152.63	0	0
VIPL(Mus)	12.90	170.84	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	2.10	54.77	0	0
Other(Mus)	9.38	127.65	0	0
Total	78.36	1202.49		
SOLAR				
Total	0.85	16.45	0	0
Total	0.85	16.45		
Tata				
Trombay 5	9.80	130.00	471	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.27	35.08	54	52
Trombay 7B	1.04	21.04	44	42
Trombay 8	0.00	15.40	0	0
TATA Hydro	5.53	64.33	459	0
Total	17.63	265.85		
R-INFRA				
1-2	10.98	146.57	509	384
Total	10.98	146.57		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	0.04	3.71	MSPGCL Thermal	133.04	1914.89	MSPGCL Total	161.17	2338.20
			MSPGCL Thml+Gas	139.76	2056.13	Koyna 1,2 & 4 Total	14.45	186.38
			MSPGCL Hydro	21.41	282.07	State Total	285.84	4131.10

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/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	4998	213	284	5495	951	3256	0	0	3775	3738	-897	12543	0	12543	1691	14234	49.94
2	4992	98	284	5374	886	3255	0	0	3634	3560	-763	12312	0	12312	1558	13870	49.93
3	4973	97	294	5364	847	3239	0	0	3759	3806	-683	12573	0	12573	1479	14052	49.98
4	4961	87	284	5332	769	3245	0	0	3965	3887	-653	12580	0	12580	1447	14027	49.99
5	4903	227	284	5414	697	3252	28	0	4095	4050	-649	12792	0	12792	1463	14255	49.96
6	5094	534	296	5924	582	3293	81	0	4684	4640	-745	13775	0	13775	1582	15357	49.93
7	5386	950	288	6624	559	3321	136	0	5277	5399	-761	15278	0	15278	1769	17047	49.92
8	5408	1630	286	7324	587	3266	220	7	5459	5953	-748	16609	30	16639	1958	18597	49.87
9	5426	1537	291	7254	573	3233	231	46	5839	5937	-849	16425	266	16691	2154	18845	49.93
10	5490	1322	294	7106	599	3224	232	82	6005	6256	-1155	16344	114	16458	2512	18970	49.91
11	5731	972	277	6980	614	3202	232	101	6018	6453	-1228	16354	0	16354	2636	18990	49.95
12	5991	813	274	7078	533	3221	231	115	5651	5888	-1233	15833	0	15833	2715	18548	49.95
13	5990	774	278	7042	430	3212	232	130	5493	5527	-1190	15383	0	15383	2714	18097	49.95
14	5990	867	272	7129	455	3237	232	125	5430	5617	-1110	15685	0	15685	2610	18295	49.92
15	6032	1225	271	7528	437	3215	232	119	5415	5361	-1133	15759	0	15759	2663	18422	49.94
16	6036	1322	274	7632	476	3340	232	83	5475	5161	-1155	15769	0	15769	2668	18437	49.86
17	6054	1490	274	7818	443	3304	232	36	5579	5180	-1119	15894	0	15894	2646	18540	49.92
18	6076	1938	273	8287	409	3337	232	3	5566	5312	-1127	16453	0	16453	2656	19109	49.88
19	6076	1993	274	8343	405	3309	191	0	5441	5394	-1190	16453	0	16453	2712	19165	49.96
20	6053	1203	276	7532	370	3336	33	7	5598	5314	-1110	15482	0	15482	2605	18087	49.96
21	5886	608	277	6771	472	3346	0	0	5505	5449	-1159	14879	0	14879	2475	17354	49.88
22	5445	850	264	6559	557	3325	0	0	5459	5367	-1485	14323	0	14323	2340	16663	50.00
23	5016	471	276	5763	568	3233	0	0	5096	5017	-1335	13246	0	13246	2179	15425	49.93
24	5032	186	276	5494	613	3159	0	0	4759	4587	-1171	12682	0	12682	2033	14715	49.96
MUs	133.04	21.41	6.72	161.17	13.83	78.36	3.01	0.85	122.98	122.85	-24.65	355.42	0.41	355.83	53.26	409.10	49.93

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 14/Dec/2016

Position as on 6.30 Hrs of 15/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	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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	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	
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 14/Dec/2016

Position as on 6.30 Hrs of 15/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	
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 U1	262	13/12/2016	19.30	14/12/2016	03.59	No Schedule	
PGPL	PGPL U2	126	13/12/2016	19.30	14/12/2016	05.01	No Schedule	
CPP	WPCL U-4	135	14/12/2016	05.50	15/12/2016	01.42	ID Fan Problem	
MSPGCL	Bhusawal Unit 5	500	14/12/2016	06.05	14/12/2016	09.33	ID Fan Problem	
CPP	WPCL U-3	135	14/12/2016	07.17	14/12/2016	14.44	Voltage Fauction.	
MSPGCL	Koradi Unit 10	660	14/12/2016	16.42	14/12/2016	23.15	Electrical Fault.	
CPP	WPCL U-4	135	15/12/2016	03.00	15/12/2016	05.13	Bearing vibration high	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Dec/2016

Statement-VII

Position as on 6.30 Hrs of 15/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							
Kolhapur Solapur (PG) II	InterState	14/12/2016	01.52	14/12/2016	06.24	HT	Over Voltage
Padgha - Boisar (PG)	InterState	14/12/2016	14.17	14/12/2016	14.55	HT	Heavy Sparking.
Dhule Sar'Sarovar II	InterState	14/12/2016	19.47	15/12/2016	06.13	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	14/12/2016	23.44	15/12/2016	06.13	HT	Over Voltage
Ektuni-Bableswhar ckt II	IntraState	09/12/2016	19.37		Continued.	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	14/12/2016	10.05	HT	Over Voltage
Karad-Jaigad - I	IntraState	13/12/2016	23.05		Continued.	HT	Over Voltage
Nagothane - Dabhol-II	IntraState	14/12/2016	12.14	14/12/2016	15.33	PO	Shifted on TBC for Hot Line Attending.
karad -kolhapur-II	IntraState	14/12/2016	19.42		Continued.	HT	Over Voltage
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.
Bableswhar- Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableswhar -Bhenda	IntraState	24/10/2016	06.57		Continued.	HT	Alephata line loading.
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.
Apta - Tambati	IntraState	14/12/2016	07.47	14/12/2016	11.15	PO	C T Leakage Attending.
New Koyna - Loteparshuram	IntraState	14/12/2016	10.05	14/12/2016	14.22	PO	Maintenance Work.
Osmanabad - Barshi	IntraState	14/12/2016	10.15		Continued.	PO	Maintenance Work.
Shivajinagar - Malegaon	IntraState	14/12/2016	12.39		Continued.	T	Distance Protection
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	14/12/2016	17.01		Continued.	T	Distance Protection
Hingoli- Girawali	IntraState	14/12/2016	20.26	15/12/2016	00.17	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)
132 KV LINE Outages/Trippings							
Nardana-Shirpur	IntraState	14/12/2016	23.32	15/12/2016	00.10	T	Distance Protection

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