

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	129.046	1681.249	1) Gujrat	0.160	-7.474
2) Hydro	10.826	178.018	2) Madhya Pradesh	8.043	121.825
3) Gas	8.637	131.789	3) Chattisgarh	5.870	73.740
Total MSPGCL	148.509	1991.056	4) Maharashtra Net	96.584	1294.761
B) 1) APML	50.317	728.843	5) Goa (Amona)	-0.618	-9.454
2) JSWEL	22.872	293.794	Total	110.039	1473.398
3) VIPL	11.130	140.946	a) Mumbai Schedule	15.747	215.237
4) RPL(AMT)	19.028	172.198	b) Mumbai Drawl	17.013	252.029
5) WPCL	4.139	51.323	c) MSEDCL Bilateral *	26.909	345.583
6) PGPL	0.000	8.843	Include PX	-0.455	-14.571
7) Other IPP	6.689	66.846	d) Mumbai Bilateral *	15.747	215.237
C) 1) TPCL Thermal	14.967	196.798	Include PX	0.000	18.236
2) TPCL Hydro	0.526	49.805	Include Standby	0.000	0.000
3) TPCL Gas	4.303	56.090	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	8.183	132.066	1) MSEDCL	362.245	4757.918
D) STATE			2) Mumbai Discoms	44.992	686.785
1) Thermal	266.371	3464.063	TOTAL STATE	407.237	5444.703
(A1+C1+C4+(B1-B6))					
2) Hydro	11.352	227.823			
(A2+C2)					
3) Gas	12.940	196.722			
(A3+B6+C3)					
4) Wind	5.368	66.627			
6) SOLAR	1.167	16.073			
TOTAL STATE	297.198	3971.308			

* 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 14 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5607	5805	6079	4636
MSPGCL Hydro	1324	597	837	123
MSPGCL Gas	277	347	444	304
MSPGCL Total Generation	7208	6749	7360	5063
Central Sector Receipt	5056	5364	4967	3263
WIND	156	21	200	422
CPP / IPP Thermal	5032	4823	5225	4378
CPP / IPP Gas	0	0	0	0
SOLAR	115	170	0	0
Exchange with Mumbai	-493	-701	-746	-699
MSEDCL DEMAND MET	17074	16426	17006	12427
Load Shedding	0	0	0	0
MSEDCL DEMAND	17074	16426	17006	12427
TPCL GENERATION	916	916	962	689
R-INFRA GENERATION	507	386	470	193
MUMBAI DEMAND	1916	2003	2178	1581
STATE DEMAND MET	18990	18429	19184	14008
STATE DEMAND	18990	18429	19184	14008
Frequency (Hz)	49.97	50.03	50.06	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 16.02 Hrs	49.79 Hz at 12.24 Hrs	49.99	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/Nov/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	40.05	165	137
Unit 8	14.30	94.68	660	480
Total	18.09	134.73		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.49	139.94	505	360
Unit 5	10.62	139.56	505	350
Total	21.11	279.50		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	1.81	31.48	196	0
Unit 7	4.93	61.72	227	184
Total	6.74	93.20		
Chandrapur				
Unit 3	4.39	58.64	200	164
Unit 4	4.36	57.43	199	165
Unit 5	0.00	110.22	0	0
Unit 6	9.75	125.48	460	310
Unit 7	9.15	122.60	410	356
Unit 8	6.54	132.09	355	216
Total	34.20	606.45		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.24	70.04	250	190
Total	5.24	70.04		
Khaparkheda				
Unit 1	3.70	45.60	190	0
Unit 2	4.00	54.63	195	140
Unit 3	4.36	55.66	200	160
Unit 4	4.26	47.88	191	162
Unit 5	10.63	130.88	500	372
Total	26.94	334.66		
Nasik				
Unit 3	4.06	55.86	200	165
Unit 4	1.95	12.58	188	0
Unit 5	0.00	40.10	0	0
Total	6.01	108.53		
Uran				
All Units	8.64	131.79	470	277
Total	8.64	131.79		
PGPL				
Unit 1	0.00	5.47	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	3.37	0	0
Total	0.00	8.84		
PENCH (MS)				
Pench (MS)	0.20	7.62	40	0
Total	0.20	7.62		
Koyna				
Stage 1-2	2.97	50.01	545	40
Stage 4	2.94	62.21	414	0
Stage 3	1.40	23.68	160	0
Total	7.31	135.90		
Hydro				
KDPH	0.65	10.88	38	18
VTRNA	0.00	0.00	0	0
TILLARI	0.38	4.78	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.14	2.53	80	0
RNGR+BHTSA	0.38	4.07	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.75	6.34	39	28
GHATGHAR	1.21	13.52	250	0
Total	3.51	42.12		
Wind				
Total	5.37	66.63	0	0
Total	5.37	66.63		
CPP				
APML(Mus)	50.32	728.84	0	0
JSWEL(Mus)	22.87	293.79	0	0
VIPL(Mus)	11.13	140.95	0	0
RPLAMT(Mus)	19.03	172.20	0	0
WPCL(Mus)	4.14	51.32	0	0
Other(Mus)	6.69	66.85	0	0
Total	114.18	1453.95		
SOLAR				
Total	1.17	16.07	0	0
Total	1.17	16.07		
Tata				
Trombay 5	9.60	126.92	492	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.73	35.72	116	109
Trombay 7B	1.57	20.36	67	64
Trombay 8	5.37	69.88	250	199
TATA Hydro	0.53	49.80	125	10
Total	19.80	302.69		
R-INFRA				
1-2	8.18	132.07	507	193
Total	8.18	132.07		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	10.72	17.41
Koradi 9	0.00	24.83
Koradi 10	0.00	0.00
Parli 8	0.00	11.89

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	129.05	1681.25
MSPGCL Thml+Gas	137.68	1813.04
MSPGCL Hydro	10.83	178.02

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	148.51	1991.06
Koyna 1,2 & 4 Total	5.91	112.22
State Total	297.20	3971.31

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/Nov/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	4458	132	305	4895	322	4371	0	0	3950	3950	-912	12626	0	12626	1792	14418	50.00
2	4552	128	285	4965	348	4383	0	0	3441	3540	-796	12440	0	12440	1678	14118	49.98
3	4636	123	304	5063	422	4378	0	0	3659	3263	-699	12427	0	12427	1581	14008	49.99
4	4712	128	287	5127	400	4382	0	0	3474	3445	-643	12711	0	12711	1526	14237	49.97
5	4738	128	310	5176	394	4423	0	0	3512	3490	-621	12862	0	12862	1504	14366	49.96
6	4830	128	301	5259	385	4673	0	0	3969	4111	-681	13747	0	13747	1644	15391	49.95
7	5201	208	304	5713	388	4847	0	1	4657	4740	-720	14969	0	14969	1676	16645	50.01
8	5539	628	284	6451	282	4917	0	24	4979	5045	-609	16110	0	16110	1597	17707	49.96
9	5641	1085	302	7028	168	5012	0	74	5006	5266	-419	17129	0	17129	1704	18833	49.93
10	5607	1324	277	7208	156	5032	0	115	5082	5056	-493	17074	0	17074	1916	18990	49.97
11	5618	1021	296	6935	135	5024	0	159	5088	5067	-597	16723	0	16723	2025	18748	49.99
12	5733	631	287	6651	88	5011	0	172	5147	5135	-686	16371	0	16371	2045	18416	49.97
13	5760	479	321	6560	52	4927	0	179	5220	5225	-717	16226	0	16226	2021	18247	49.92
14	5805	597	347	6749	21	4823	0	170	5251	5364	-701	16426	0	16426	2003	18429	50.03
15	5828	522	393	6743	22	4823	0	130	5257	5246	-658	16306	0	16306	1958	18264	49.99
16	5871	437	429	6737	29	4840	0	96	5114	5035	-628	16109	0	16109	1930	18039	49.99
17	5984	432	430	6846	54	4837	0	43	5162	5053	-618	16215	0	16215	1920	18135	50.08
18	5974	571	444	6989	145	4864	0	4	5225	5071	-658	16415	0	16415	1973	18388	50.08
19	6079	837	444	7360	200	5225	0	0	5277	4967	-746	17006	0	17006	2178	19184	50.06
20	5683	509	445	6637	203	5018	0	0	5329	5441	-804	16495	0	16495	2167	18662	50.01
21	5470	349	454	6273	218	4844	0	0	5283	5044	-938	15441	0	15441	2151	17592	50.00
22	5153	140	456	5749	252	4765	0	0	5105	4439	-956	14249	0	14249	2118	16367	50.04
23	5104	177	462	5743	289	4430	0	0	4037	3859	-882	13439	0	13439	1966	15405	49.98
24	5070	112	470	5652	395	4323	0	0	3749	3185	-831	12724	0	12724	1919	14643	50.00
MUs	129.05	10.83	8.64	148.51	5.37	114.18	0.00	1.17	111.97	110.04	-17.01	362.24	0.00	362.24	44.99	407.24	49.99

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/Nov/2016

Position as on 6.30 Hrs of 14/Nov/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	Koyna Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
MSPGCL	Nasik Unit 4	210	03/11/2016	13.00	13/11/2016	10.05	Interchange With Unit-5	
IPP	Adani U-1	660	06/11/2016	11.10		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 9	660	10/11/2016	11.51		Continued.	Due to reheat NRV problem	
MSPGCL	Parli Unit 6	250	11/11/2016	07.12	13/11/2016	11.12	Gen. Differential Protection.	
MSPGCL	Khaparkheda Unit 1	210	11/11/2016	14.55	13/11/2016	01.27	Boiler Tube Leakage	
MSPGCL	Uran Unit 6	108	12/11/2016	00.40	13/11/2016	10.44	Internal inspection work	
RINFRA-G	REL Unit 1	250	12/11/2016	10.55	13/11/2016	07.16	Turbine balancing work.	
MSPGCL	Nasik Unit 5	210	12/11/2016	19.20		Continued.	Economizer Tube Leakage.	
PGPL	PGPL U1	262	12/11/2016	19.25		Continued.	Due to no schedule	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 13/Nov/2016

Position as on 6.30 Hrs of 14/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PGPL	PGPL U2	126	12/11/2016	19.30		Continued.	Due to no schedule	
MSPGCL	Chandrapur Unit 5	500	12/11/2016	22.13		Continued.	B T L	

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

Statement-VII

Position as on 6.30 Hrs of 14/Nov/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	12/11/2016	19.16	13/11/2016	07.48	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	13/11/2016	19.26	14/11/2016	06.52	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	13/11/2016	21.48		Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	09/10/2016	12.29		Continued.	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
Karad - Jaigad - II	IntraState	12/11/2016	21.36	13/11/2016	08.46	HT	Over Voltage
karad -kolhapur-I	IntraState	12/11/2016	23.34	13/11/2016	08.43	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	12/11/2016	23.51	13/11/2016	06.38	HT	Over Voltage
Padghe - Kalwa-II	IntraState	13/11/2016	09.02	13/11/2016	14.35	EO	Attending Hot Spot On R Phase Wave Trap Jumper.
Padghe - Kalwa-II	IntraState	13/11/2016	14.35	13/11/2016	21.27	T	B phase insulator decapping
karad -kolhapur-II	IntraState	13/11/2016	20.25		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	13/11/2016	21.39		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end) (QM work done from 13:05Hrs to 17:23Hrs on 5/10/2016)
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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.
Pedambe-Nerle	IntraState	22/10/2016	14.11		Continued.	T	Distance Protection
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.
Kalwa - Mulund 1	IntraState	06/11/2016	10.56		Continued.	PO	Conductor Replacement.
Mumewadi -Halkarni II	IntraState	13/11/2016	13.35	13/11/2016	19.28	T	TRIPPED ON D.P.B.PH DECAPPING.
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)

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