

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Nov/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	125.176	1939.706	1) Gujrat	2.094	-2.633
2) Hydro	14.567	204.073	2) Madhya Pradesh	7.315	136.782
3) Gas	10.795	153.439	3) Chattisgarh	6.150	85.750
Total MSPGCL	150.538	2297.218	4) Maharashtra Net	103.834	1494.024
B) 1) APML	53.240	833.365	5) Goa (Amona)	-0.708	-10.824
2) JSWEL	23.116	339.625	Total	118.685	1703.099
3) VIPL	12.487	165.887	a) Mumbai Schedule	17.071	248.433
4) RPL(AMT)	19.081	211.406	b) Mumbai Drawl	22.060	293.644
5) WPCL	4.479	60.180	c) MSEDCL Bilateral *	25.560	398.372
6) PGPL	2.643	11.486	Include PX	-2.526	-17.114
7) Other IPP	7.837	81.845	d) Mumbai Bilateral *	17.071	248.433
C) 1) TPCL Thermal	14.930	226.595	Include PX	0.311	19.194
2) TPCL Hydro	4.724	58.020	Include Standby	0.000	0.000
3) TPCL Gas	4.421	64.932	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.723	151.615	1) MSEDCL	374.063	5502.520
D) STATE			2) Mumbai Discoms	55.858	794.808
1) Thermal	270.069	4010.224	TOTAL STATE	429.921	6297.328
(A1+C1+C4+(B1-B6))					
2) Hydro	19.291	262.093			
(A2+C2)					
3) Gas	17.859	229.857			
(A3+B6+C3)					
4) Wind	3.021	73.938			
6) SOLAR	0.996	18.115			
TOTAL STATE	311.236	4594.227			

* 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	5428	5521	5714	4631
MSPGCL Hydro	1626	1115	1061	104
MSPGCL Gas	454	428	448	462
MSPGCL Total Generation	7508	7064	7223	5197
Central Sector Receipt	5376	5482	5771	3583
WIND	115	62	83	227
CPP / IPP Thermal	5398	5261	5503	4436
CPP / IPP Gas	229	231	143	0
SOLAR	104	4	0	0
Exchange with Mumbai	-984	-1005	-988	-495
MSEDCL DEMAND MET	17747	17099	17735	12948
Load Shedding	0	0	0	0
MSEDCL DEMAND	17747	17099	17735	12948
TPCL GENERATION	1139	1334	1304	697
R-INFRA GENERATION	454	391	496	386
MUMBAI DEMAND	2577	2730	2788	1578
STATE DEMAND MET	20324	19829	20523	14526
STATE DEMAND	20324	19829	20523	14526
Frequency (Hz)	49.99	49.91	49.98	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 12:00 Hrs	49.77 Hz at 17:11 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 15/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	2.63	46.51	165	0
Unit 8	12.89	120.75	586	480
Total	15.52	167.26		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.79	161.58	510	360
Unit 5	10.86	161.17	510	360
Total	21.65	322.74		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.03	41.42	223	193
Unit 7	4.27	71.01	227	0
Total	9.30	112.43		
Chandrapur				
Unit 3	4.50	67.61	205	164
Unit 4	4.47	66.37	199	170
Unit 5	0.00	110.22	0	0
Unit 6	10.03	145.61	465	355
Unit 7	1.28	129.11	325	0
Unit 8	10.72	153.11	500	360
Total	30.99	672.02		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.42	80.70	245	190
Total	5.42	80.70		
Khaparkheda				
Unit 1	4.24	54.01	195	155
Unit 2	4.28	63.04	195	160
Unit 3	4.46	64.53	202	162
Unit 4	4.31	56.48	190	161
Unit 5	11.02	152.68	500	375
Total	28.30	390.75		
Nasik				
Unit 3	4.12	64.01	200	165
Unit 4	4.15	20.75	205	164
Unit 5	0.00	40.10	0	0
Total	8.27	124.86		
Uran				
All Units	10.80	153.44	472	422
Total	10.80	153.44		
PGPL				
Unit 1	1.65	7.12	146	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	1.00	4.37	91	0
Total	2.64	11.49		
PENCH (MS)				
Pench (MS)	0.26	8.09	40	0
Total	0.26	8.09		
Koyna				
Stage 1-2	4.16	58.42	470	40
Stage 4	5.15	70.62	866	0
Stage 3	2.01	27.16	160	0
Total	11.32	156.19		
Hydro				
KDPH	0.44	11.77	19	18
VTRNA	0.00	0.00	0	0
TILLARI	0.37	5.52	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	2.75	80	0
RNGR+BHTSA	0.28	4.74	17	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.74	7.82	42	28
GHATGHAR	1.29	15.29	250	0
Total	3.25	47.88		
Wind				
Total	3.02	73.94	0	0
Total	3.02	73.94		
CPP				
APML(Mus)	53.24	833.36	0	0
JSWEL(Mus)	23.12	339.62	0	0
VIPL(Mus)	12.49	165.89	0	0
RPLAMT(Mus)	19.08	211.41	0	0
WPCL(Mus)	4.48	60.18	0	0
Other(Mus)	7.84	81.84	0	0
Total	120.24	1692.31		
SOLAR				
Total	1.00	18.12	0	0
Total	1.00	18.12		
Tata				
Trombay 5	9.55	145.95	469	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.82	41.36	120	111
Trombay 7B	1.60	23.57	69	64
Trombay 8	5.38	80.64	248	200
TATA Hydro	4.72	58.02	442	0
Total	24.08	349.55		
R-INFRA				
1-2	9.72	151.62	510	385
Total	9.72	151.62		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	23.75
Koradi 9	0.00	24.83
Koradi 10	0.00	0.00
Parli 8	5.72	20.35

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	125.18	1939.71
MSPGCL Thml+Gas	135.97	2093.14
MSPGCL Hydro	14.57	204.07

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	150.54	2297.22
Koyna 1,2 & 4 Total	9.31	129.03
State Total	311.24	4594.23

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/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	4647	104	470	5221	65	4549	0	0	3543	3807	-781	12861	0	12861	1863	14724	49.98
2	4640	274	462	5376	128	4418	0	0	3056	3657	-597	12982	0	12982	1680	14662	49.97
3	4611	159	471	5241	172	4422	0	0	3091	3613	-537	12911	0	12911	1620	14531	49.98
4	4631	104	462	5197	227	4436	0	0	3258	3583	-495	12948	0	12948	1578	14526	49.98
5	4591	114	472	5177	238	4423	0	0	3837	3862	-496	13204	0	13204	1578	14782	49.99
6	4866	103	461	5430	237	4752	24	0	4344	4498	-653	14287	0	14287	1735	16022	49.94
7	5546	155	472	6173	255	5130	31	0	4629	4105	-715	14978	0	14978	1833	16811	49.96
8	5588	846	463	6897	211	5506	139	15	5062	4968	-671	17065	0	17065	2056	19121	49.97
9	5607	846	462	6915	123	5541	226	60	5283	5121	-706	17280	0	17280	2227	19507	49.99
10	5428	1626	454	7508	115	5398	229	104	5272	5376	-984	17747	0	17747	2577	20324	49.99
11	5343	1665	454	7462	113	5240	232	143	5287	5309	-1273	17226	0	17226	2827	20053	49.98
12	5203	1078	426	6707	108	5231	231	154	5477	5696	-1162	16965	38	17003	2838	19841	50.00
13	5196	719	424	6339	45	5231	232	161	5584	5457	-1150	16315	38	16353	2839	19192	49.97
14	5226	723	422	6371	30	5209	230	137	5531	5686	-1066	16597	38	16635	2755	19390	50.00
15	5427	790	422	6639	37	5226	232	110	5534	5602	-1060	16786	35	16821	2772	19593	49.94
16	5449	943	433	6825	46	5230	232	77	5525	5557	-1046	16921	0	16921	2770	19691	49.92
17	5610	808	434	6852	47	5231	232	31	5404	5506	-1034	16865	0	16865	2766	19631	49.91
18	5521	1115	428	7064	62	5261	231	4	5383	5482	-1005	17099	0	17099	2730	19829	49.91
19	5714	1061	448	7223	83	5503	143	0	5754	5771	-988	17735	0	17735	2788	20523	49.98
20	5699	552	443	6694	102	5274	0	0	6023	6020	-1107	16983	0	16983	2733	19716	49.98
21	5524	294	447	6265	108	4961	0	0	5725	5651	-1096	15889	0	15889	2513	18402	49.99
22	5205	297	457	5959	133	4773	0	0	5255	5503	-1212	15156	0	15156	2389	17545	50.05
23	4945	104	464	5513	153	4697	0	0	5014	4854	-1164	14053	0	14053	2248	16301	49.99
24	4959	87	444	5490	183	4597	0	0	4483	4001	-1062	13209	0	13209	2143	15352	49.99
MUs	125.18	14.57	10.80	150.54	3.02	120.24	2.64	1.00	117.35	118.69	-22.06	374.06	0.15	374.21	55.86	430.07	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 15/Nov/2016

Position as on 6.30 Hrs of 16/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	
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	Nasik Unit 5	210	12/11/2016	19.20		Continued.	Economizer Tube Leakage (continued under zero schedule).	
PGPL	PGPL U1	262	12/11/2016	19.25	15/11/2016	05.07	Due to no schedule	
PGPL	PGPL U2	126	12/11/2016	19.30	15/11/2016	05.00	Due to no schedule	
MSPGCL	Chandrapur Unit 5	500	12/11/2016	22.13		Continued.	B T L	
MSPGCL	Chandrapur Unit 7	500	14/11/2016	14.33	15/11/2016	18.25	UAT Problem.	
MSPGCL	Chandrapur Unit 9	500	14/11/2016	14.33		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 7	210	15/11/2016	08.26	15/11/2016	13.53	Altrnative supply failure	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 15/Nov/2016

Position as on 6.30 Hrs of 16/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Parli Unit 7	250	15/11/2016	11.00	15/11/2016	13.58	Flame Failure	
PGPL	PGPL U1	262	15/11/2016	19.27		Continued.	due to no Schedule.	
PGPL	PGPL U2	126	15/11/2016	19.30	16/11/2016	06.01	Due to no schedule	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 16/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	15/11/2016	11.44	15/11/2016	12.45	T	Control system 1&2 fail.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	14/11/2016	20.14	15/11/2016	07.04	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	15/11/2016	20.37		Continued.	HT	Over Voltage
Ektuni-Bableswhar ckt I	IntraState	09/10/2016	12.29		Continued.	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
karad -kolhapur-II	IntraState	13/11/2016	20.25	15/11/2016	09.48	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	15/11/2016	20.00	16/11/2016	05.24	PO	To attend CT oil leakage at khadka end.
karad -kolhapur-I	IntraState	15/11/2016	21.00		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-II	IntraState	15/11/2016	21.56		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	16/11/2016	00.55	16/11/2016	06.18	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 315 MVA ICT -I @New Koyna	IntraState	15/11/2016	08.42	15/11/2016	18.40	PO	Testing Work
400/220KV 500MVA ICT 2@koradi 2	IntraState	15/11/2016	09.26	15/11/2016	18.01	PO	Tan Delta Measurment work.
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)
Nasik Navsari I	InterState	15/11/2016	15.10	15/11/2016	17.05	PO	Testing Work
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.
Pedambe-Nerle	IntraState	22/10/2016	14.11		Continued.	T	Distance Protection
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 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.
Nashik-Airoli Knowledge Park	IntraState	14/11/2016	18.45		Continued.	PO	Diverting 100kv padghe-sahapur line THR nasik-know park line.
Bhugaon- Wardha	IntraState	15/11/2016	05.18	15/11/2016	06.28	T	Distance Protection
Pusad-WardhaPG(Deoli)	IntraState	15/11/2016	05.18	15/11/2016	11.15	T	Distance Protection
Karad-Nerle	IntraState	15/11/2016	10.37	15/11/2016	14.09	PO	Testing Work
Mahad-Kandalgaon	IntraState	15/11/2016	11.15	15/11/2016	15.51	PO	Insulator Replacement Work
Tilawani-Talandage-I	IntraState	15/11/2016	14.23	15/11/2016	19.03	PO	Insulator cleaning.
Miraj - Tilwani	IntraState	15/11/2016	14.35	15/11/2016	19.08	PO	Insulator cleaning.
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

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 16/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132 Kv 200 Mva Cgl lct @Satana	IntraState	15/11/2016	10.40	15/11/2016	22.30	PO	Tan delta testing work.
220/132-110kv 100mva Ptr 2 @Oglewadi	IntraState	15/11/2016	11.15	15/11/2016	12.15	PO	Attending Hot Spot
100 KV LINE Outages/Trippings							
Padghe - Shahapur 1	IntraState	14/11/2016	08.50		Continued.	T	At loc. no 38 tower collapse.
Padghe - Shahapur 2	IntraState	14/11/2016	08.50	15/11/2016	05.30	T	At loc. no 38 tower collapse.