

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Nov/2016 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	141.554	2753.959	1) Gujrat	1.182	0.292
2) Hydro	15.417	283.701	2) Madhya Pradesh	8.887	185.401
3) Gas	10.694	216.200	3) Chattisgarh	8.530	130.370
Total MSPGCL	167.665	3253.860	4) Maharashtra Net	91.203	2064.668
B) 1) APML	50.806	1141.047	5) Goa (Amona)	-0.664	-14.980
2) JSWEL	15.751	439.017	Total	109.138	2365.751
3) VIPL	10.525	232.186	a) Mumbai Schedule	17.898	356.946
4) RPL(AMT)	0.000	228.754	b) Mumbai Drawl	22.535	440.622
5) WPCL	4.442	85.190	c) MSEDCL Bilateral *	27.288	561.250
6) PGPL	0.000	13.979	Include PX	0.000	-17.713
7) Other IPP	8.986	131.568	d) Mumbai Bilateral *	17.898	356.946
C) 1) TPCL Thermal	12.956	292.050	Include PX	3.114	34.451
2) TPCL Hydro	3.382	84.398	Include Standby	0.000	0.000
3) TPCL Gas	4.242	90.348	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.075	211.606	1) MSEDCL	349.029	7592.254
D) STATE			2) Mumbai Discoms	54.190	1119.023
1) Thermal	256.095	5515.377	TOTAL STATE	403.219	8711.277
(A1+C1+C4+(B1-B6))					
2) Hydro	18.799	368.099			
(A2+C2)					
3) Gas	14.936	320.527			
(A3+B6+C3)					
4) Wind	2.968	116.274			
6) SOLAR	1.283	25.250			
TOTAL STATE	294.081	6345.527			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	6247	6280	5799	5354
MSPGCL Hydro	1588	1280	329	265
MSPGCL Gas	433	420	441	466
MSPGCL Total Generation	8268	7980	6569	6085
Central Sector Receipt	5420	5548	5305	3121
WIND	73	49	99	164
CPP / IPP Thermal	3983	3994	3875	3393
CPP / IPP Gas	0	0	0	0
SOLAR	180	190	0	0
Exchange with Mumbai	-1060	-1059	-1169	-906
MSEDCL DEMAND MET	16864	16702	14679	11857
Load Shedding	0	0	0	0
MSEDCL DEMAND	16864	16702	14679	11857
TPCL GENERATION	1195	1180	1057	369
R-INFRA GENERATION	502	505	508	387
MUMBAI DEMAND	2757	2744	2734	1662
STATE DEMAND MET	19621	19446	17413	13519
STATE DEMAND	19621	19446	17413	13519
Frequency (Hz)	49.97	49.94	49.98	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 17.01 Hrs	49.7 Hz at 17.40 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 21/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	0.00	54.21	0	0
Unit 8	12.08	193.37	548	405
Total	12.08	247.57		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	0.10	186.15	85	0
Unit 5	9.66	220.35	500	365
Total	9.76	406.50		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.76	70.35	228	187
Unit 7	3.57	83.53	220	0
Total	8.33	153.89		
Chandrapur				
Unit 3	4.33	93.64	200	163
Unit 4	4.41	92.66	200	168
Unit 5	9.42	146.29	445	356
Unit 6	9.62	203.56	460	343
Unit 7	9.08	184.23	421	351
Unit 8	9.40	213.41	453	340
Total	46.26	933.79		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.23	102.94	251	193
Total	5.23	102.94		
Khaparkheda				
Unit 1	3.98	78.36	190	155
Unit 2	4.04	87.53	200	160
Unit 3	4.08	89.62	203	160
Unit 4	2.66	74.22	190	0
Unit 5	10.45	214.79	500	375
Total	25.20	544.52		
Nasik				
Unit 3	3.98	88.34	175	160
Unit 4	4.00	45.04	174	162
Unit 5	0.00	40.10	0	0
Total	7.99	173.47		
Uran				
All Units	10.69	216.20	481	415
Total	10.69	216.20		
PGPL				
Unit 1	0.00	8.67	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	5.31	0	0
Total	0.00	13.98		
PENCH (MS)				
Pench (MS)	0.29	9.93	53	0
Total	0.29	9.93		
Koyna				
Stage 1-2	4.30	85.78	525	40
Stage 4	6.66	97.01	770	0
Stage 3	2.25	38.86	240	0
Total	13.20	221.64		
Hydro				
KDPH	0.00	11.97	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.26	7.65	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.22	4.34	77	0
RNGR+BHTSA	0.38	6.64	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	11.22	0	0
GHATGHAR	1.35	20.24	240	0
Total	2.21	62.06		
Wind				
Total	2.97	116.27	0	0
Total	2.97	116.27		
CPP				
APML(Mus)	50.81	1141.05	0	0
JSWEL(Mus)	15.75	439.02	0	0
VIPL(Mus)	10.52	232.19	0	0
RPLAMT(Mus)	0.00	228.75	0	0
WPCL(Mus)	4.44	85.19	0	0
Other(Mus)	8.99	131.57	0	0
Total	90.51	2257.76		
SOLAR				
Total	1.28	25.25	0	0
Total	1.28	25.25		
Tata				
Trombay 5	7.39	179.48	484	53
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.68	57.40	115	105
Trombay 7B	1.56	32.95	67	62
Trombay 8	5.57	112.57	251	199
TATA Hydro	3.38	84.40	436	31
Total	20.58	466.80		
R-INFRA				
1-2	11.08	211.61	510	386
Total	11.08	211.61		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	11.60	58.81
Koradi 9	15.11	96.56
Koradi 10	0.00	0.00
Parli 8	0.00	35.91

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	141.55	2753.96
MSPGCL Thml+Gas	152.25	2970.16
MSPGCL Hydro	15.42	283.70

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	167.66	3253.86
Koyna 1,2 & 4 Total	10.96	182.79
State Total	294.08	6345.53

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	5380	225	476	6081	134	3436	0	0	3234	3259	-1042	11868	0	11868	1803	13671	49.94
2	5354	265	466	6085	164	3393	0	0	3205	3121	-906	11857	0	11857	1662	13519	49.99
3	5430	145	476	6051	168	3387	0	0	3186	3186	-829	11963	0	11963	1583	13546	49.97
4	5425	56	469	5950	166	3411	0	0	3162	3244	-781	11990	0	11990	1537	13527	49.95
5	5409	61	471	5941	192	3409	0	0	3370	3763	-789	12516	0	12516	1542	14058	49.96
6	5478	131	470	6079	208	3463	0	0	4340	4546	-882	13414	0	13414	1688	15102	49.94
7	5894	606	481	6981	213	3806	0	1	4652	4955	-873	15083	0	15083	1808	16891	49.93
8	6303	1026	469	7798	178	4105	0	26	5240	5018	-779	16346	0	16346	1921	18267	49.95
9	6384	928	459	7771	123	4149	0	87	5449	5321	-880	16571	0	16571	2249	18820	49.92
10	6329	1015	450	7794	84	4106	0	141	5430	5374	-871	16628	0	16628	2482	19110	49.93
11	6260	1144	451	7855	74	4003	0	171	5536	5750	-1003	16850	0	16850	2719	19569	49.94
12	6247	1588	433	8268	73	3983	0	180	5484	5420	-1060	16864	0	16864	2757	19621	49.97
13	6280	1280	420	7980	49	3994	0	190	5211	5548	-1059	16702	0	16702	2744	19446	49.94
14	6235	1171	426	7832	34	3975	0	169	5229	5763	-1025	16748	0	16748	2663	19411	49.95
15	6303	1321	420	8044	38	4003	0	151	5280	5176	-912	16500	0	16500	2665	19165	49.89
16	6509	1271	420	8200	40	4002	0	107	5423	5138	-925	16562	0	16562	2671	19233	49.91
17	6553	1050	423	8026	45	4035	0	53	5351	4887	-987	16059	0	16059	2679	18738	49.93
18	6208	218	440	6866	78	3989	0	7	5185	4739	-1102	14577	0	14577	2668	17245	49.92
19	5799	329	441	6569	99	3875	0	0	5424	5305	-1169	14679	0	14679	2734	17413	49.98
20	5742	308	429	6479	126	3853	0	0	5056	4757	-1075	14140	0	14140	2642	16782	49.98
21	5590	294	415	6299	133	3715	0	0	4274	4249	-894	13502	0	13502	2447	15949	49.94
22	5462	621	433	6516	149	3500	0	0	3760	3949	-890	13224	0	13224	2340	15564	49.97
23	5446	246	425	6117	150	3470	0	0	3671	3565	-878	12424	0	12424	2159	14583	49.96
24	5534	118	431	6083	250	3446	0	0	3364	3101	-924	11956	0	11956	2027	13983	50.00
MUs	141.55	15.42	10.69	167.67	2.97	90.51	0.00	1.28	109.52	109.13	-22.54	349.03	0.00	349.03	54.19	403.22	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 21/Nov/2016

Position as on 6.30 Hrs of 22/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	Nasik Unit 5	210	12/11/2016	19.20		Continued.	Economizer Tube Leakage (continued under zero schedule).	
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.	
PGPL	PGPL U2	126	16/11/2016	19.30		Continued.	due to no Schedule	
PGPL	PGPL U1	262	16/11/2016	19.31		Continued.	due to no Schedule	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Nov/2016

Position as on 6.30 Hrs of 22/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	17/11/2016	22.10	21/11/2016	01.52	Furnace Pressure High	
MSPGCL	Koradi Unit 7	210	18/11/2016	01.09		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 4	500	18/11/2016	10.16	21/11/2016	22.44	Boiler Tube Leakage	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	For COD Conformation.	
TPC-G	Trombay 5	500	18/11/2016	19.56	21/11/2016	05.36	Outage For Attending Leakage In Generator Hydrogen Cooling System.	
MSPGCL	Khaparkheda Unit 4	210	19/11/2016	15.38	21/11/2016	07.08	Boiler Tube Leakage	
MSPGCL	Parli Unit 7	250	21/11/2016	04.15	21/11/2016	05.29	M.S.Temp.Low	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 22/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Ektuni-Akola II Ckt 2	IntraState	21/11/2016	08.42	21/11/2016	16.11	PO	Routine Maintenance Work
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	20/11/2016	18.15	21/11/2016	07.52	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	20/11/2016	20.49	21/11/2016	06.12	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	22/11/2016	02.00	22/11/2016	06.46	T	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 -kolhapur-II	IntraState	19/11/2016	18.06		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	20/11/2016	18.05	21/11/2016	09.48	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/11/2016	19.30	21/11/2016	05.40	HT	Over Voltage
Padghe - Kalwa- I	IntraState	21/11/2016	12.50		Continued.	PO	Outage up to 29.11.2016 for construction work.
Jaigad-Karad Ckt-I	IntraState	21/11/2016	16.43		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	21/11/2016	21.01		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-I @Talegaon(PG)	InterState	21/11/2016	09.07	21/11/2016	15.00	PO	Line Maintenance work
400/220/33kv, 500 MVA ICT-I @Khaparkheda	IntraState	21/11/2016	11.27	21/11/2016	16.25	PO	Attending Oil Leakage
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	21/11/2016	12.16	21/11/2016	16.05	PO	To fill up transformer oil in B ph unit.
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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)
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.
Nashik-Airoli Knowledge Park	IntraState	14/11/2016	18.45		Continued.	PO	Diverting 100kv padghe-sahapur line THR nasik-know park line.
Trombay - Kalwa	IntraState	20/11/2016	14.10		Continued.	T	Distance Protection
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	21/11/2016	10.00	21/11/2016	15.00	PO	Testing Work
Main Bus-III @ Mudshingi	IntraState	21/11/2016	10.01	21/11/2016	18.18	PO	Attending Hot Spot
Ambazari-Amravati	IntraState	21/11/2016	11.27	21/11/2016	16.28	T	Attending Oil Leakage
Lamboti - Solapur li(Bale) Ckt- I	IntraState	21/11/2016	16.40	21/11/2016	17.49	EO	Attending Hot Spot
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)
220/132kv 200MVA ICT-III @	IntraState	21/11/2016	11.48	21/11/2016	15.38	PO	Replacement of diaphragm of ph

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 21/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 22/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Nanded							oltc.
220/22 Kv 50 Mva Bhel Ptr 1 @Mahad	IntraState	21/11/2016	16.30	21/11/2016	17.35	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Waghala (Nanded2) - Tamsa	IntraState	21/11/2016	07.00	21/11/2016	07.30	T	Tripped
100 KV LINE Outages/Trippings							
Padghe - Shahapur 1	IntraState	14/11/2016	08.50		Continued.	T	At loc. no 38 tower collapse.