

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Nov/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	148.195	2902.154	1) Gujrat	0.080	0.372
2) Hydro	20.885	304.586	2) Madhya Pradesh	9.821	195.222
3) Gas	10.678	226.878	3) Chattisgarh	8.150	138.520
Total MSPGCL	179.758	3433.618	4) Maharashtra Net	89.661	2154.329
B) 1) APLM	53.050	1194.097	5) Goa (Amona)	-0.730	-15.710
2) JSWEL	15.942	454.959	Total	106.982	2472.733
3) VIPL	12.040	244.226	a) Mumbai Schedule	17.468	374.414
4) RPL(AMT)	0.000	228.754	b) Mumbai Drawl	20.650	461.272
5) WPCL	4.462	89.652	c) MSEDCL Bilateral *	27.236	588.486
6) PGPL	0.000	13.979	Include PX	-0.243	-17.956
7) Other IPP	7.244	138.812	d) Mumbai Bilateral *	17.468	374.414
C) 1) TPCL Thermal	15.412	307.462	Include PX	1.167	35.618
2) TPCL Hydro	3.355	87.753	Include Standby	0.000	0.000
3) TPCL Gas	4.058	94.406	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.761	222.367	1) MSEDCL	364.009	7956.263
D) STATE			2) Mumbai Discoms	54.234	1173.257
1) Thermal	267.106	5782.483	TOTAL STATE	418.243	9129.520
(A1+C1+C4+(B1-B6))					
2) Hydro	24.240	392.339			
(A2+C2)					
3) Gas	14.736	335.263			
(A3+B6+C3)					
4) Wind	3.915	120.189			
6) SOLAR	1.266	26.516			
TOTAL STATE	311.263	6656.790			

* 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 18 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	6390	6440	6533	5758
MSPGCL Hydro	1548	1830	1466	83
MSPGCL Gas	430	401	416	474
MSPGCL Total Generation	8368	8671	8415	6315
Central Sector Receipt	5222	5327	5008	2775
WIND	48	87	177	271
CPP / IPP Thermal	4167	4092	4113	3375
CPP / IPP Gas	0	0	0	0
SOLAR	178	8	0	0
Exchange with Mumbai	-1004	-1129	-1185	-497
MSEDCL DEMAND MET	16979	17056	16528	12239
Load Shedding	0	0	0	0
MSEDCL DEMAND	16979	17056	16528	12239
TPCL GENERATION	1238	1043	1010	696
R-INFRA GENERATION	504	507	507	387
MUMBAI DEMAND	2746	2679	2702	1580
STATE DEMAND MET	19725	19735	19230	13819
STATE DEMAND	19725	19735	19230	13819
Frequency (Hz)	50.01	49.93	49.98	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 05.02 Hrs	49.77 Hz at 16.18 Hrs	49.96	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 22/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	10.91	204.28	540	365
Total	10.91	258.48		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	9.94	196.09	500	165
Unit 5	10.84	231.20	505	370
Total	20.78	427.28		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.90	75.25	224	181
Unit 7	4.83	88.36	220	191
Total	9.73	163.62		
Chandrapur				
Unit 3	4.41	98.05	204	163
Unit 4	4.43	97.09	199	171
Unit 5	9.45	155.73	430	353
Unit 6	9.89	213.45	460	350
Unit 7	9.14	193.37	425	350
Unit 8	8.43	221.84	376	318
Total	45.74	979.54		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.28	108.21	247	184
Total	5.28	108.21		
Khaparkheda				
Unit 1	4.06	82.42	195	155
Unit 2	4.14	91.66	195	155
Unit 3	4.26	93.88	202	160
Unit 4	2.51	76.74	192	0
Unit 5	10.83	225.62	500	380
Total	25.80	570.31		
Nasik				
Unit 3	4.18	92.52	200	165
Unit 4	4.14	49.18	203	158
Unit 5	0.00	40.10	0	0
Total	8.32	181.79		
Uran				
All Units	10.68	226.88	478	401
Total	10.68	226.88		
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)	0.25	10.18	34	0
Total	0.25	10.18		
Koyna				
Stage 1-2	6.00	91.78	560	40
Stage 4	9.26	106.27	961	0
Stage 3	2.83	41.69	240	0
Total	18.10	239.74		
Hydro				
KDPH	0.00	11.97	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.39	8.03	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.20	4.54	80	0
RNGR+BHTSA	0.38	7.02	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.59	11.81	35	22
GHATGHAR	1.23	21.47	250	0
Total	2.79	64.85		
Wind				
Total	3.92	120.19	0	0
Total	3.92	120.19		
CPP				
APML(Mus)	53.05	1194.10	0	0
JSWEL(Mus)	15.94	454.96	0	0
VIPL(Mus)	12.04	244.23	0	0
RPLAMT(Mus)	0.00	228.75	0	0
WPCL(Mus)	4.46	89.65	0	0
Other(Mus)	7.24	138.81	0	0
Total	92.74	2350.50		
SOLAR				
Total	1.27	26.52	0	0
Total	1.27	26.52		
Tata				
Trombay 5	9.84	189.32	488	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.54	59.93	115	76
Trombay 7B	1.52	34.47	67	55
Trombay 8	5.57	118.14	252	199
TATA Hydro	3.36	87.75	357	0
Total	22.82	489.62		
R-INFRA				
1-2	10.76	222.37	509	385
Total	10.76	222.37		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	12.02	70.82
Koradi 9	9.62	106.18
Koradi 10	0.00	0.00
Parli 8	0.00	35.91

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	148.20	2902.15
MSPGCL Thml+Gas	158.87	3129.03
MSPGCL Hydro	20.88	304.59

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	179.76	3433.62
Koyna 1,2 & 4 Total	15.27	198.05
State Total	311.26	6656.79

State Load Despatch Center, Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/Nov/2016

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS										
1	5675	78	451	6204	309	3379	0	0	3097	3244	-739	12397	0	12397	1821	14218	49.97
2	5666	78	461	6205	289	3373	0	0	3063	3003	-590	12280	0	12280	1672	13952	49.97
3	5758	83	474	6315	271	3375	0	0	3039	2775	-497	12239	0	12239	1580	13819	49.98
4	5775	83	465	6323	325	3386	0	0	2869	2883	-454	12463	0	12463	1532	13995	49.98
5	5706	78	465	6249	326	3378	0	0	3019	3380	-446	12887	0	12887	1526	14413	49.99
6	5837	108	471	6416	323	3416	0	0	4010	4441	-549	14047	0	14047	1628	15675	49.95
7	6473	616	468	7557	280	3915	0	0	4280	4539	-713	15578	0	15578	1833	17411	49.97
8	6695	968	478	8141	237	4190	0	25	4754	5016	-627	16982	0	16982	1963	18945	49.95
9	6690	1006	460	8156	148	4192	0	80	4858	4833	-769	16640	0	16640	2282	18922	49.96
10	6626	1156	455	8237	85	4187	0	130	4997	5045	-824	16860	0	16860	2495	19355	49.93
11	6481	1440	431	8352	84	4181	0	170	5067	5181	-995	16973	0	16973	2723	19696	49.93
12	6390	1548	430	8368	48	4167	0	178	5129	5222	-1004	16979	0	16979	2746	19725	50.01
13	6330	1489	424	8243	31	4164	0	194	5059	5117	-1004	16745	0	16745	2735	19480	49.95
14	6218	1719	422	8359	26	4056	0	166	4998	5128	-992	16743	0	16743	2658	19401	49.97
15	6369	1588	419	8376	45	4083	0	154	4995	5152	-995	16815	0	16815	2688	19503	49.91
16	6365	1760	419	8544	24	4136	0	110	5026	4505	-994	16325	0	16325	2700	19025	49.90
17	6413	1821	411	8645	35	4097	0	51	4987	4983	-955	16856	0	16856	2692	19548	49.92
18	6440	1830	401	8671	87	4092	0	8	4921	5327	-1129	17056	0	17056	2679	19735	49.93
19	6533	1466	416	8415	177	4113	0	0	5082	5008	-1185	16528	0	16528	2702	19230	49.98
20	6446	424	431	7301	221	4045	0	0	5071	4952	-1172	15347	0	15347	2629	17976	49.97
21	5946	372	461	6779	213	3889	0	0	4920	5138	-1112	14907	0	14907	2479	17386	49.95
22	5785	422	452	6659	136	3808	0	0	4798	4714	-980	14337	0	14337	2300	16637	49.96
23	5788	180	455	6423	96	3698	0	0	4592	4239	-1005	13451	0	13451	2195	15646	49.98
24	5790	572	458	6820	99	3418	0	0	3071	3157	-920	12574	0	12574	1978	14552	49.97
MUs	148.20	20.89	10.68	179.76	3.92	92.74	0.00	1.27	105.70	106.98	-20.65	364.01	0.00	364.01	54.24	418.25	49.96

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 22/Nov/2016

Position as on 6.30 Hrs of 23/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								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	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	
RGPPL	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 Shedule 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 Shedule 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 shedule).	
IPP	RPL(AMT) U-5	270	15/11/2016	20.00		Continued.	Zero shedule	
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 Shedule	
PGPL	PGPL U1	262	16/11/2016	19.31	23/11/2016	05.02	due to no Shedule	
IPP	RPL(AMT) U-4	270	16/11/2016	21.03		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	16/11/2016	22.36		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	17/11/2016	17.23		Continued.	Zero Shedule.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Nov/2016

Position as on 6.30 Hrs of 23/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit 7	210	18/11/2016	01.09		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 8	250	18/11/2016	16.23		Continued.	For COD Conformation.	
MSPGCL	Khaparkheda Unit 4	210	22/11/2016	12.32	22/11/2016	20.54	Oil Leakage from R Phase C.T.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 23/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							
Kolhapur Solapur (PG) II	InterState	22/11/2016	02.00	22/11/2016	06.46	T	Over Voltage
Dhule Sar'Sarovar I	InterState	22/11/2016	19.14		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	23/11/2016	00.50	23/11/2016	06.09	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 -kolhapur-II	IntraState	19/11/2016	18.06	22/11/2016	09.42	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	22/11/2016	07.05	HT	Over Voltage
karad -kolhapur-II	IntraState	22/11/2016	19.17		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/11/2016	22.09		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 KV 315MVA ICT II @ Parli	IntraState	22/11/2016	10.59	22/11/2016	16.32	PO	Cold Welding & Bay Maint.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)
Talandage - Chikodi	InterState	22/11/2016	10.10	22/11/2016	17.13	PO	Insulator Cleaning 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.
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
Dhule - Dondaicha Ckt	IntraState	22/11/2016	09.12	22/11/2016	11.20	PO	Attending Hot Spot of Breaker & Measurement of Tan Delta.
Nigade- Peth Line	IntraState	22/11/2016	09.30		Continued.	PO	Diagnostic Testing Work.
Nadgaonpeth-Amravati	IntraState	22/11/2016	09.48	22/11/2016	14.15	PO	Diagnostic Testing Work,RM.
Karad - Kadegaon	IntraState	22/11/2016	10.15	22/11/2016	13.07	PO	Tandelta Measurment Work.
Parli New Tps - Beed Ckt 2	IntraState	22/11/2016	13.50	22/11/2016	16.50	PO	Attending Hot Spot on CT.
Kalwa - Mulund 1	IntraState	22/11/2016	15.27		Continued.	PO	High Ampacity Conductor Replacement.
Ambazari-Amravati	IntraState	22/11/2016	21.16		Continued.	PO	Attending Hot Spot on B phase WT.
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)
220/132 Kv 100 Mva Ict 1 @Tuljapur	IntraState	22/11/2016	11.22	22/11/2016	12.35	PO	R Phase LV Side Bushing Oil

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 22/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 23/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Leakage Attending Work.
220/132 kV 200 MVA ICT-III @ Nanded	IntraState	22/11/2016	13.31	22/11/2016	16.28	PO	Attending Oil Leakage
100 KV LINE Outages/Trippings							
Padghe - Shahapur 1	IntraState	14/11/2016	08.50		Continued.	T	At loc. no 38 tower collapse.