

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Nov/2016 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	137.351	3735.219	1) Gujrat	0.501	-6.110
2) Hydro	25.961	419.678	2) Madhya Pradesh	8.729	244.239
3) Gas	7.410	287.947	3) Chattisgarh	7.930	188.610
Total MSPGCL	170.722	4442.844	4) Maharashtra Net	105.137	2763.793
B) 1) APML	52.866	1510.715	5) Goa (Amona)	-0.730	-20.026
2) JSWEL	15.497	547.467	Total	121.567	3170.506
3) VIPL	11.987	308.225	a) Mumbai Schedule	16.660	468.468
4) RPL(AMT)	0.000	228.754	b) Mumbai Drawl	20.055	580.336
5) WPCL	4.248	114.160	c) MSEDCL Bilateral *	14.381	723.710
6) PGPL	0.000	16.149	Include PX	0.000	-18.311
7) Other IPP	9.149	196.769	d) Mumbai Bilateral *	16.660	468.468
C) 1) TPCL Thermal	14.895	394.712	Include PX	1.129	41.465
2) TPCL Hydro	4.598	109.473	Include Standby	0.000	0.000
3) TPCL Gas	4.058	116.683	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.369	283.506	1) MSEDCL	370.035	10147.143
D) STATE			2) Mumbai Discoms	53.975	1484.709
1) Thermal	256.362	7319.527	TOTAL STATE	424.010	11631.852
(A1+C1+C4+(B1-B6))					
2) Hydro	30.559	529.151			
(A2+C2)					
3) Gas	11.468	420.779			
(A3+B6+C3)					
4) Wind	2.758	157.636			
6) SOLAR	1.296	34.254			
TOTAL STATE	302.443	8461.347			

* 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 16 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6354	5791	5865	5174
MSPGCL Hydro	1948	1994	1387	122
MSPGCL Gas	309	287	294	311
MSPGCL Total Generation	8611	8072	7546	5607
Central Sector Receipt	5407	5831	5684	3670
WIND	59	30	111	191
CPP / IPP Thermal	4168	4137	4142	3426
CPP / IPP Gas	0	0	0	0
SOLAR	165	110	0	0
Exchange with Mumbai	-938	-973	-931	-447
MSEDCL DEMAND MET	17472	17207	16552	12447
Load Shedding	0	0	0	0
MSEDCL DEMAND	17472	17207	16552	12447
TPCL GENERATION	1279	1244	1269	650
R-INFRA GENERATION	502	506	506	386
MUMBAI DEMAND	2719	2723	2706	1483
STATE DEMAND MET	20191	19930	19258	13930
STATE DEMAND	20191	19930	19258	13930
Frequency (Hz)	49.98	49.92	50.01	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 18:00 Hrs	49.82 Hz at 15:32 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 28/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	12.34	278.76	550	485
Total	12.34	332.97		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.40	257.00	505	370
Unit 5	9.81	286.68	470	370
Total	20.21	543.68		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.14	104.30	245	191
Unit 7	4.97	116.77	223	187
Total	10.11	221.07		
Chandrapur				
Unit 3	4.49	124.54	200	164
Unit 4	4.44	123.70	195	169
Unit 5	10.23	214.88	470	365
Unit 6	9.73	273.29	450	345
Unit 7	9.65	248.41	440	355
Unit 8	4.94	278.64	500	0
Total	43.48	1263.45		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.42	139.58	248	188
Total	5.42	139.58		
Khaparkheda				
Unit 1	4.02	106.05	190	140
Unit 2	4.30	116.16	200	160
Unit 3	0.87	112.20	163	0
Unit 4	4.22	101.16	190	161
Unit 5	11.01	289.51	500	380
Total	24.41	725.08		
Nasik				
Unit 3	4.27	116.82	200	165
Unit 4	4.16	72.62	190	160
Unit 5	0.00	40.10	0	0
Total	8.43	229.54		
Uran				
All Units	7.41	287.95	359	284
Total	7.41	287.95		
PGPL				
Unit 1	0.00	10.00	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	6.15	0	0
Total	0.00	16.15		
PENCH (MS)				
Pench (MS)	0.33	11.76	49	0
Total	0.33	11.76		
Koyna				
Stage 1-2	6.46	125.40	560	40
Stage 4	11.49	149.28	1001	0
Stage 3	3.58	58.37	240	0
Total	21.53	333.06		
Hydro				
KDPH	0.89	14.68	38	37
VTRNA	0.39	1.69	59	0
TILLARI	0.37	10.26	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.13	5.38	80	0
RNGR+BHTSA	0.38	8.91	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.75	15.79	42	28
GHATGHAR	1.53	29.90	250	0
Total	4.43	86.62		
Wind				
Total	2.76	157.64	0	0
Total	2.76	157.64		
CPP				
APML(Mus)	52.87	1510.72	0	0
JSWEL(Mus)	15.50	547.47	0	0
VIPL(Mus)	11.99	308.22	0	0
RPLAMT(Mus)	0.00	228.75	0	0
WPCL(Mus)	4.25	114.16	0	0
Other(Mus)	9.15	196.77	0	0
Total	93.75	2906.09		
SOLAR				
Total	1.30	34.25	0	0
Total	1.30	34.25		
Tata				
Trombay 5	9.70	246.45	492	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.54	73.61	115	79
Trombay 7B	1.52	43.08	67	54
Trombay 8	5.20	148.26	233	198
TATA Hydro	4.60	109.47	397	36
Total	23.55	620.87		
R-INFRA				
1-2	10.37	283.51	508	384
Total	10.37	283.51		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	75.72
Koradi 9	10.19	164.41
Koradi 10	2.77	3.78
Parli 8	0.00	35.91

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	137.35	3735.22
MSPGCL Thml+Gas	144.76	4023.17
MSPGCL Hydro	25.96	419.68

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	170.72	4442.84
Koyna 1,2 & 4 Total	17.95	274.69
State Total	302.44	8461.35

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/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	5378	132	359	5869	230	3398	0	0	3974	4004	-737	12764	0	12764	1772	14536	50.04
2	5354	122	311	5787	233	3419	0	0	3808	3731	-567	12603	0	12603	1604	14207	50.00
3	5351	142	321	5814	201	3427	0	0	3547	3481	-501	12422	0	12422	1538	13960	49.97
4	5174	122	311	5607	191	3426	0	0	3571	3670	-447	12447	0	12447	1483	13930	49.99
5	5281	127	332	5740	190	3422	0	0	4080	3979	-455	12876	0	12876	1490	14366	49.99
6	5374	127	312	5813	164	3517	0	0	4598	4705	-509	13690	0	13690	1611	15301	49.97
7	5577	842	323	6742	135	3821	0	0	4998	5085	-654	15129	0	15129	1767	16896	49.99
8	6076	1672	322	8070	129	3978	0	23	5300	5268	-645	16823	0	16823	1943	18766	49.94
9	6270	1790	313	8373	82	4091	0	82	5422	5458	-838	17248	0	17248	2289	19537	49.95
10	6324	1872	316	8512	80	4149	0	135	5475	5500	-985	17391	0	17391	2590	19981	49.92
11	6354	1948	309	8611	59	4168	0	165	5543	5407	-938	17472	0	17472	2719	20191	49.98
12	6361	1637	286	8284	57	4149	0	190	5612	5508	-1015	17173	0	17173	2790	19963	49.98
13	5887	1670	289	7846	31	4146	0	179	5586	5804	-996	17010	0	17010	2764	19774	49.93
14	5765	1703	297	7765	32	4135	0	194	5522	5857	-948	17035	0	17035	2679	19714	49.96
15	5811	1924	284	8019	31	4144	0	151	5547	5673	-995	17023	0	17023	2738	19761	49.96
16	5791	1994	287	8072	30	4137	0	110	5567	5831	-973	17207	0	17207	2723	19930	49.92
17	5772	1966	289	8027	49	4137	0	59	5598	5710	-907	17075	0	17075	2704	19779	49.94
18	5823	1960	307	8090	72	4143	0	8	5595	5327	-893	16747	0	16747	2665	19412	49.93
19	5865	1387	294	7546	111	4142	0	0	5698	5684	-931	16552	0	16552	2706	19258	50.01
20	5720	952	298	6970	144	4025	0	0	5734	5782	-1003	15918	0	15918	2546	18464	50.01
21	5631	639	311	6581	104	3995	0	0	5615	5629	-972	15337	0	15337	2370	17707	49.96
22	5627	804	304	6735	70	4004	0	0	5368	5283	-1106	14986	0	14986	2281	17267	50.00
23	5543	303	327	6173	74	3942	0	0	5286	4859	-1089	13959	0	13959	2169	16128	49.98
24	5242	126	308	5676	259	3833	0	0	5273	4332	-951	13149	0	13149	2034	15183	50.00
MUs	137.35	25.96	7.41	170.72	2.76	93.75	0.00	1.30	122.32	121.57	-20.05	370.04	0.00	370.04	53.97	424.01	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 28/Nov/2016

Position as on 6.30 Hrs of 29/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.	
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	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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Nov/2016

Position as on 6.30 Hrs of 29/Nov/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 9	500	23/11/2016	12.43		Continued.	Boiler Tube Leakage	
PGPL	PGPL U1	262	23/11/2016	19.30		Continued.	No schedule.	
PGPL	PGPL U2	126	23/11/2016	19.33		Continued.	No schedule.	
MSPGCL	Khaparkhedda Unit 3	210	27/11/2016	08.41	28/11/2016	17.46	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	28/11/2016	00.25		Continued.	Boiler Leakage	
MSPGCL	Koradi Unit 10	660	28/11/2016	03.32	28/11/2016	04.12	Over Speed Testing work	
MSPGCL	Chandrapur Unit-8	500	28/11/2016	12.01	29/11/2016	05.15	LT T/F Flashover	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 29/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	28/11/2016	20.11	28/11/2016	22.40	T	Tripped on Reduced voltage
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	27/11/2016	18.12	28/11/2016	08.12	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	28/11/2016	02.14	28/11/2016	07.05	HT	Over Voltage
Akola Aurangabad(PG) I	InterState	28/11/2016	09.10	28/11/2016	20.04	PO	Line Maintenance work
Talegaon PG - Aurangabad - II	InterState	28/11/2016	14.14	28/11/2016	16.34	PO	To attend CB Hydraulic leakage
Dhule Sar'Sarovar II	InterState	28/11/2016	19.29		Continued.	HT	Over Voltage
Ektuni-Bableshtar ckt I	IntraState	09/10/2016	12.29		Continued.	HT	Hot Spot on Isolator(RFC from 17.36HrsDt.10-10-2016)
Padghe - Kalwa- I	IntraState	21/11/2016	12.50		Continued.	PO	Outage up to 29.11.2016 for construction work.
Jaigad-Karad Ckt-II	IntraState	26/11/2016	23.44	28/11/2016	09.52	HT	Over Voltage
karad -kolhapur-I	IntraState	27/11/2016	18.38	28/11/2016	08.56	HT	Over Voltage
karad -kolhapur-I	IntraState	28/11/2016	20.04		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	28/11/2016	23.43		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT 2 @ Kolhapur	IntraState	28/11/2016	09.06	28/11/2016	16.52	PO	Routine Maintenance Work
220 KV LINE Outages/Trippings							
Maisal-Jath I	InterState	28/11/2016	13.01	28/11/2016	15.05	T	Distance Protection
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.
Bableshtar - Ranjangaon	IntraState	06/06/2016	07.22		Continued.	HT	Hand Tripped for Ranjangaon End.
Bableshtar - 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.
Nashik-Airoli Knowledge Park	IntraState	14/11/2016	18.45		Continued.	PO	Divering 100kv padghe-sahapur line THR nasik-know park line.
mudshingi Bus section no.1	IntraState	28/11/2016	09.47	28/11/2016	14.55	PO	Annual Maintenance Work
Malegaon-Satana	IntraState	28/11/2016	10.28	28/11/2016	14.33	PO	Line Maintenance work
Kandalgaon - Bhira	IntraState	28/11/2016	11.15	28/11/2016	18.55	PO	Bay maint.work
Lonikand - Bhosari	IntraState	28/11/2016	12.45	28/11/2016	13.40	T	Distance Protection
Miraj - Mhaishal	IntraState	28/11/2016	13.01	28/11/2016	15.00	T	Distance Protection
Vita - Mhaishal	IntraState	28/11/2016	13.01	28/11/2016	15.05	T	Distance Protection
Jath-Mendhegiri	IntraState	28/11/2016	13.01	28/11/2016	15.05	T	Distance Protection
Eklahara(Gcr)(Nasik)- Bableshtar 2	IntraState	28/11/2016	22.02	28/11/2016	22.44	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							
Beed (220kv) - Beed (132kv)	IntraState	28/11/2016	12.20	28/11/2016	13.30	T	Distance Protection

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 28/Nov/2016

Statement-VII

Position as on 6.30 Hrs of 29/Nov/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kanhan-Mansar	IntraState	28/11/2016	14.39	28/11/2016	16.30	T	LA Burst at Mansar end
100 KV LINE Outages/Trippings							
Padghe - Shahapur 1	IntraState	14/11/2016	08.50		Continued.	T	At loc. no 38 tower collapse.