

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Nov/2017 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	115.713	3290.814	1) Gujrat	-0.224	1.706
2) Hydro	17.732	243.011	2) Madhya Pradesh	13.253	325.477
3) Gas	10.487	283.671	3) Chattisgarh	8.020	211.040
Total MSPGCL	143.932	3817.496	4) Maharashtra Net	135.595	3427.448
B) 1) APML	32.746	1345.751	5) Goa (Amona)	-0.858	-22.462
2) JSWEL	18.017	628.651	Total	155.786	3943.209
3) VIPL	7.342	341.756	a) Mumbai Schedule	21.078	577.212
4) RPL(AMT)	12.370	368.762	b) Mumbai Drawl	24.994	702.573
5) WPCL	4.772	33.391	c) MSEDCL Bilateral *	49.734	1200.828
6) PGPL	0.000	0.000	Include PX	13.974	202.679
7) Other IPP	11.609	295.652	d) Mumbai Bilateral *	21.078	577.212
C) 1) TPCL Thermal	10.189	356.168	Include PX	9.362	86.653
2) TPCL Hydro	5.420	106.045	Include Standby	0.000	0.000
3) TPCL Gas	4.322	118.870	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.995	290.570	1) MSEDCL	369.361	10344.443
D) STATE			2) Mumbai Discoms	55.920	1574.228
1) Thermal	223.753	6951.515	TOTAL STATE	425.281	11918.671
(A1+C1+C4+(B1-B6))					
2) Hydro	23.152	349.056			
(A2+C2)					
3) Gas	14.809	402.541			
(A3+B6+C3)					
4) Wind	4.348	183.663			
6) SOLAR	3.433	88.685			
TOTAL STATE	269.495	7975.460			

* 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 24 Hrs
MSPGCL Thermal	4965	4975	4963	4456
MSPGCL Hydro	1499	1255	1628	69
MSPGCL Gas	422	416	435	436
MSPGCL Total Generation	6886	6646	7026	4961
Central Sector Receipt	8051	8093	6280	5256
WIND	100	89	217	162
CPP / IPP Thermal	3697	3660	3820	3148
CPP / IPP Gas	0	0	0	0
SOLAR	505	513	0	0
Exchange with Mumbai	-1329	-1277	-1183	-1184
MSEDCL DEMAND MET	17910	17724	16160	12343
Load Shedding	0	0	0	0
MSEDCL DEMAND	17910	17724	16160	12343
TPCL GENERATION	1052	1058	1103	499
R-INFRA GENERATION	503	502	502	375
MUMBAI DEMAND	2884	2837	2788	2058
STATE DEMAND MET	20794	20561	18948	14401
STATE DEMAND	20794	20561	18948	14401
Frequency (Hz)	49.96	49.96	49.99	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 12.01 Hrs	49.74 Hz at 06.12 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 28/Nov/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	3.71	8.00	165	145
Unit 8	0.00	46.46	0	0
Unit 9	10.06	229.29	501	356
Unit 10	9.38	323.69	421	345
Total	23.15	607.45		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.96	242.68	455	350
Unit 5	10.11	244.85	460	350
Total	20.06	487.53		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.56	71.48	250	189
Unit 7	5.40	53.19	248	187
Unit 8	4.13	101.38	178	165
Total	15.09	226.04		
Chandrapur				
Unit 3	4.28	7.33	192	167
Unit 4	4.39	8.37	190	162
Unit 5	0.00	3.20	0	0
Unit 6	9.33	256.30	395	363
Unit 7	0.00	216.33	0	0
Unit 8	0.00	240.75	0	0
Unit 9	10.74	248.68	460	362
Total	28.74	980.97		
Paras				
Unit 3	4.99	146.08	249	186
Unit 4	4.84	148.49	240	179
Total	9.83	294.57		
Khaparkheda				
Unit 1	0.00	64.88	0	0
Unit 2	0.00	73.24	0	0
Unit 3	0.00	0.00	0	0
Unit 4	0.00	91.69	0	0
Unit 5	11.04	240.18	500	350
Total	11.04	469.98		
Nasik				
Unit 3	3.55	44.82	185	0
Unit 4	4.25	116.56	189	158
Unit 5	0.00	62.90	0	0
Total	7.80	224.28		
Uran				
All Units	10.49	283.67	459	416
Total	10.49	283.67		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.16	3.26	35	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.16	3.26		
Koyna				
Stage 1-2	5.02	89.84	465	40
Stage 4	7.54	59.20	932	0
Stage 3	2.53	33.11	224	0
Total	15.10	182.15		
Hydro				
KDPH	0.00	9.11	0	0
VTRNA	0.00	0.28	0	0
TILLARI	0.38	8.32	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.29	6.38	80	0
RNGR+BHTSA	0.38	10.65	16	15
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.34	13.71	15	14
GHATGHAR	1.24	12.41	125	0
Total	2.64	60.86		
Wind				
Total	4.35	183.66	0	0
Total	4.35	183.66		
CPP				
APML(Mus)	32.75	1345.75	0	0
JSWEL(Mus)	18.02	628.65	0	0
VIPL(Mus)	7.34	341.76	0	0
RPLAMT(Mus)	12.37	368.76	0	0
WPCL(Mus)	4.77	33.39	0	0
Other(Mus)	11.61	295.65	0	0
Total	86.86	3013.96		
SOLAR				
Total	3.43	88.68	0	0
Total	3.43	88.68		
Tata				
Trombay 5	10.19	262.72	489	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.72	74.85	115	96
Trombay 7B	1.60	44.02	68	62
Trombay 8	0.00	93.45	0	0
TATA Hydro	5.42	106.04	459	0
Total	19.93	581.08		
R-INFRA				
DTPS U-1&2	11.00	290.57	504	375
Total	11.00	290.57		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	115.71	3290.81	MSPGCL Total	143.93	3817.50
			MSPGCL Thml+Gas	126.20	3574.48	Koyna 1,2 & 4 Total	12.56	149.04
			MSPGCL Hydro	17.73	243.01	State Total	269.50	7975.46

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Nov/2017

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	4389	81	446	4916	121	3579	0	0	5199	5109	-1039	12686	0	12686	1910	14596	49.95
2	4410	76	447	4933	221	3449	0	0	5333	5353	-892	13064	0	13064	1765	14829	49.97
3	4574	376	439	5389	234	3470	0	0	5258	5367	-782	13678	0	13678	1655	15333	49.98
4	4660	96	459	5215	285	3530	0	0	5351	5498	-712	13816	0	13816	1587	15403	49.97
5	4775	126	442	5343	303	3684	0	0	5370	5446	-680	14096	0	14096	1601	15697	49.98
6	4790	524	448	5762	327	3792	0	0	5560	5544	-590	14835	0	14835	1734	16569	49.97
7	4923	771	451	6145	317	3922	0	3	6356	6443	-626	16204	0	16204	1886	18090	49.86
8	4967	1011	452	6430	265	4020	0	82	6765	6706	-742	16761	0	16761	2046	18807	49.90
9	4960	1012	438	6410	156	3902	0	243	6599	6927	-931	16707	0	16707	2305	19012	49.89
10	4942	1230	453	6625	148	3603	0	378	6583	6813	-1045	16522	0	16522	2605	19127	49.89
11	4949	1362	427	6738	119	3555	0	453	7368	7539	-1188	17216	0	17216	2800	20016	49.92
12	4965	1499	422	6886	100	3697	0	505	8119	8051	-1329	17910	0	17910	2884	20794	49.96
13	4975	1255	416	6646	89	3660	0	513	8198	8093	-1277	17724	0	17724	2837	20561	49.96
14	4932	1125	418	6475	77	3548	0	453	8052	8228	-1161	17620	0	17620	2731	20351	50.04
15	4924	882	416	6222	87	3564	0	393	8233	8243	-1159	17350	0	17350	2764	20114	49.91
16	4913	857	420	6190	103	3609	0	266	8177	7832	-1131	16869	0	16869	2759	19628	49.89
17	4897	1172	432	6501	95	3805	0	134	7537	7525	-1099	16961	0	16961	2727	19688	49.95
18	4932	1287	427	6646	107	3806	0	10	6579	6386	-1108	15847	0	15847	2715	18562	49.93
19	4963	1628	435	7026	217	3820	0	0	5797	6280	-1183	16160	0	16160	2788	18948	49.99
20	5000	671	429	6100	243	3596	0	0	5868	6116	-1146	14909	0	14909	2703	17612	49.98
21	4922	279	443	5644	229	3446	0	0	5828	6007	-1335	13991	0	13991	2562	16553	50.00
22	4836	212	446	5494	199	3414	0	0	5779	5601	-1347	13361	0	13361	2315	15676	50.03
23	4659	131	445	5235	144	3233	0	0	5352	5423	-1308	12727	0	12727	2183	14910	49.96
24	4456	69	436	4961	162	3148	0	0	5277	5256	-1184	12343	0	12343	2058	14401	49.99
MUs	115.71	17.73	10.49	143.93	4.35	86.86	0.00	3.43	154.54	155.79	-24.99	369.36	0.00	369.36	55.92	425.28	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 28/Nov/2017

Position as on 6.30 Hrs of 29/Nov/2017

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.	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Chandrapur Unit 5	500	01/11/2017	09.20		Continued.	Annual Overhaul	
TPC_G	Trombay 8	250	18/11/2017	19.40		Continued.	Annual Overhaul	
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	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		Continued.	No PPA	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	De-commissioned on dt. 01.04.2017	
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.	De-commissioned on dt.02.03.2017	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	RPL(AMT) U-3	270	17/09/2017	00.02		Continued.	Coal Shortage	
IPP	RPL(AMT) U-5	270	17/09/2017	02.01		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
MSPGCL	Bhusawal Unit 3	210	31/10/2017	22.37		Continued.	Coal Shortage	
MSPGCL	Koradi Unit-8	660	07/11/2017	00.06		Continued.	poor coal receipt.	
IPP	RPL(AMT) U-2	270	10/11/2017	00.00		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 5	210	16/11/2017	04.45		Continued.	Flame Failure, withdrawn due to coal shortage since 20.11.2017 at 11:00Hrs	
IPP	Adani U-3	660	17/11/2017	20.59		Continued.	Tripped on APS Bellow Leakage	
MSPGCL	Khaparkheda Unit 1	210	18/11/2017	19.19		Continued.	Coal Shortage	
IPP	Adani U-5	660	19/11/2017	20.40		Continued.	Due to heavy leakage in seal air duct.	
MSPGCL	Khaparkheda Unit 2	210	20/11/2017	12.14		Continued.	Coal Shortage	
CPP	IEPL Unit 1	270	22/11/2017	23.50		Continued.	Electrical fault	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Nov/2017

Position as on 6.30 Hrs of 29/Nov/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit 7	500	25/11/2017	14.00		Continued.	Air heater problem	
MSPGCL	Khaparkheda Unit 4	210	25/11/2017	19.19		Continued.	CHP coal feeding problem	
MSPGCL	Chandrapur Unit-8	500	27/11/2017	21.24		Continued.	Boiler Tube Leakage	
IPP	VIPL U-2	300	28/11/2017	01.18		Continued.	Boiler Tube Leakage	
IPP	JSW (J) U1	300	28/11/2017	08.50		Continued.	CW Duck Leakage.	
MSPGCL	Nasik Unit 3	210	28/11/2017	20.40	29/11/2017	03.10	Due To Triping Of Both PAF.	
MSPGCL	Nasik Unit 3	210	29/11/2017	03.25	29/11/2017	05.55	CONDENSER VACUUM LOW.	
MSPGCL	Koradi Unit 10	660	29/11/2017	05.00		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Nov/2017

Statement-VII

Position as on 6.30 Hrs of 29/Nov/2017

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	26/11/2017	06.35		Continued.	PO	Routine Maintenance Work
400 KV LINE Outages/Trippings							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line converted as 220 kV Solapur (PG)- Jeur from LOC 403
Dhule Sar'Sarovar II	InterState	27/11/2017	18.32	28/11/2017	07.14	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/11/2017	17.38		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/11/2017	18.03		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	27/11/2017	17.52		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	27/11/2017	18.39	28/11/2017	06.49	HT	Over Voltage
Kharghar-Talegaon(PG)	IntraState	28/11/2017	15.50	28/11/2017	17.54	PO	Red Hot Spot Attending Work.
Khadka-Aurangabad (Waluj)	IntraState	28/11/2017	18.48	29/11/2017	06.48	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/11/2017	20.41	29/11/2017	06.14	HT	Over Voltage
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	NO SCHEDULE.
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	NO SCHEDULE.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper 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 jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Kharghar-Borivali ckt II	IntraState	07/06/2017	12.23		Continued.	T	Distance Protection RY phase fault.
Pedambe-Nerle	IntraState	23/09/2017	00.50		Continued.	T	B Phase CT Burst at Pedambe End
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Uran - Kharghar I	IntraState	26/11/2017	08.55		Continued.	PO	Line maintenance work.
Deepnagar Amalner	IntraState	27/11/2017	17.27		Continued.	PO	Distance Protection Operated Zone 1 R PH 50.75KM 7.2KA.
Miraj - Ichalkaranji II	IntraState	28/11/2017	09.13	28/11/2017	19.00	PO	Insulator Cleaning Work.
Trombay - Kalwa	IntraState	28/11/2017	09.30	28/11/2017	19.44	PO	Bay Maintenance Work.
Sonkhar - Trombay	IntraState	28/11/2017	10.32	28/11/2017	12.21	T	Tripped On D/P Y To B PH.
Karad(400kv) - Ogalewadi Ckt 2	IntraState	28/11/2017	10.56	28/11/2017	18.51	PO	Testing Work
Balapur-Akola li	IntraState	28/11/2017	21.53	28/11/2017	22.32	T	Trip On 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)
220/33kV 100 MVA Transformer 3 @Versova R/S	IntraState	16/11/2017	09:09		Continued.	PO	REFURBISHMENT OF TF UNDER SIS DPR SCHEME
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	BUCHHOLZ PRV OPERATED.
220/110kV 100MVA ICT-II@ Wathar	IntraState	28/11/2017	14.25	28/11/2017	17.20	PO	Routine Maintenance Work

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