

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Nov/2020 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	122.718	3552.797	1) Gujrat	3.334	25.176
2) Hydro	6.049	201.774	2) Madhya Pradesh	8.217	164.357
3) Gas	6.617	167.273	3) Chattisgarh	6.720	192.520
Total MSPGCL	135.384	3921.844	4) Maharashtra	122.634	3518.071
B) 1) APML	58.526	1610.462	5) Goa (Amona)	-1.705	-35.012
2) JSWEL	18.422	489.670	Total	139.200	3865.112
3) VIPL	0.000	0.000	a) Mumbai Schedule	21.159	545.691
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	22.832	607.910
5) WPCL	6.467	199.713	c) MSEDCL Bilateral *	31.689	816.817
6) Other IPP	15.711	399.855	Include PX	2.596	47.531
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	21.159	545.691
C) 1) TPCL Thermal	13.716	378.604	Include PX	10.579	322.999
2) TPCL Hydro	1.915	74.214	Standby	0.000	0.000
3) TPCL Gas	3.057	107.844	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.772	228.971	1) MSEDCL	392.404	10382.393
D) STATE			2) Mumbai Discoms	51.293	1397.545
1) Thermal	245.332	6860.072	TOTAL STATE	443.697	11779.938
(A1+C1+C4+(B1-B6))					
2) Hydro	7.964	275.988			
(A2+C2)					
3) Gas	9.674	275.117			
(A3+B7+C3)					
4) Wind	35.846	331.196			
6) SOLAR	5.680	172.451			
TOTAL STATE	304.496	7914.824			

* 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	5894	5421	4805	4126
MSPGCL Hydro	264	323	385	163
MSPGCL Gas	258	267	278	272
MSPGCL Total Generation	6416	6011	5468	4561
Central Sector Receipt	6906	6580	5946	4865
WIND	1433	1642	1563	1775
CPP / IPP Thermal	4440	4134	4102	3382
CPP / IPP Gas	0	0	0	0
SOLAR	896	925	1	0
Exchange with Mumbai	-1133	-1133	-918	-1059
MSEDCL DEMAND MET	18958	18159	16162	13524
Load Shedding	0	0	0	0
MSEDCL DEMAND	18958	18159	16162	13524
TPCL GENERATION	957	941	1071	550
AEML GENERATION	499	499	499	285
MUMBAI DEMAND	2589	2573	2488	1894
STATE DEMAND MET	21547	20732	18650	15418
STATE DEMAND	21547	20732	18650	15418
Frequency (Hz)	50.01	50.01	50.00	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 22:01 Hrs	49.7 Hz at 08:12 Hrs	50.01	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 27/Nov/2020

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	10.82	308.96	582	370
Unit 9	10.86	271.21	575	370
Unit 10	0.00	71.95	0	0
Total	21.69	652.12		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.00	255.66	505	280
Unit 5	8.33	233.84	460	280
Total	17.34	489.50		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.40	25.95	225	172
Unit 7	4.34	16.85	234	169
Unit 8	4.52	132.87	250	170
Total	13.26	175.67		
Chandrapur				
Unit 3	3.40	102.48	175	124
Unit 4	3.44	97.13	165	132
Unit 5	7.88	248.37	435	275
Unit 6	7.74	247.98	420	269
Unit 7	0.00	0.00	0	0
Unit 8	9.48	257.34	480	275
Unit 9	9.96	297.49	494	274
Total	41.90	1250.79		
Paras				
Unit 3	4.63	126.09	210	183
Unit 4	4.71	132.08	212	185
Total	9.33	258.17		
Khaparkheda				
Unit 1	3.46	96.58	165	135
Unit 2	3.62	103.24	180	140
Unit 3	0.00	60.50	0	0
Unit 4	3.68	108.31	190	140
Unit 5	2.58	214.42	435	0
Total	13.35	583.05		
Nasik				
Unit 3	3.21	55.00	138	132
Unit 4	2.64	88.49	140	0
Unit 5	0.00	0.00	0	0
Total	5.86	143.49		
Uran				
All Units	6.62	167.27	293	257
Total	6.62	167.27		
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)	0.00	3.26	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	3.26		
Koyna				
Stage 1-2	2.63	83.44	345	40
Stage 4	0.68	46.05	460	0
Stage 3	0.79	29.27	160	0
Total	4.10	158.76		
Hydro				
KDPH	0.89	4.31	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	4.20	40	0
RNGR+BHTSA	0.36	9.34	15	14
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.93	0	0
SMLHY_PTN	0.31	2.90	13	12
GHATGHAR	0.28	21.24	125	0
Total	1.95	43.01		
Wind				
Total	35.85	331.20	0	0
Total	35.85	331.20		
CPP				
APML(Mus)	58.53	1610.46	0	0
JSWEL(Mus)	18.42	489.67	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	6.47	199.71	0	0
Other(Mus)	15.71	399.86	0	0
Total	99.13	2699.70		
SOLAR				
Total	5.68	172.45	0	0
Total	5.68	172.45		
Tata				
Trombay 5	9.08	253.36	449	279
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.78	67.65	97	62
Trombay 7B	1.28	40.20	61	48
Trombay 8	4.64	125.25	232	136
TATA Hydro	1.92	74.21	241	2
Total	18.69	560.66		
AEML				
DTPS U-1&2	9.77	228.97	501	282
Total	9.77	228.97		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	122.72	3552.80	MSPGCL Total	135.38	3921.84
			MSPGCL Thml+Gas	129.34	3720.07	Koyna 1,2 & 4 Total	3.30	129.49
			MSPGCL Hydro	6.05	201.77	State Total	304.50	7914.82

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 27/Nov/2020

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	4963	110	292	5365	1154	3831	0	0	5376	5415	-1063	14702	0	14702	1874	16576	50.00
2	4817	120	272	5209	1226	3883	0	0	5381	5154	-926	14546	0	14546	1742	16288	50.02
3	4617	110	292	5019	1328	3903	0	0	5303	5150	-840	14560	0	14560	1656	16216	50.01
4	4614	115	283	5012	1463	3832	0	0	5268	5023	-792	14538	0	14538	1607	16145	50.00
5	4647	110	293	5050	1559	3644	0	0	5442	5282	-783	14752	0	14752	1598	16350	50.00
6	5148	105	273	5526	1427	3918	0	0	5761	5910	-844	15937	0	15937	1660	17597	50.00
7	6136	120	293	6549	1358	4257	0	1	6082	6168	-873	17460	0	17460	1701	19161	49.96
8	6111	280	283	6674	1215	4801	0	89	6347	6186	-725	18240	0	18240	1850	20090	49.96
9	6053	579	282	6914	1062	5201	0	303	6147	6359	-788	19051	0	19051	2093	21144	49.92
10	6014	886	280	7180	998	5227	0	526	6407	5892	-1014	18809	0	18809	2353	21162	50.00
11	5974	401	269	6644	1269	5012	0	762	6932	6393	-1077	19003	0	19003	2517	21520	50.04
12	5894	264	258	6416	1433	4440	0	896	7304	6906	-1133	18958	0	18958	2589	21547	50.01
13	5421	323	267	6011	1642	4134	0	925	6774	6580	-1133	18159	0	18159	2573	20732	50.01
14	5727	225	267	6219	1757	4091	0	797	6549	6218	-1094	17988	0	17988	2471	20459	50.06
15	4999	110	267	5376	1814	4089	0	662	6630	6610	-1108	17443	0	17443	2472	19915	50.01
16	4873	176	257	5306	1808	4077	0	468	6681	6909	-1094	17474	0	17474	2471	19945	49.99
17	5315	230	267	5812	1710	4141	0	220	5978	6126	-1013	16996	0	16996	2446	19442	49.98
18	5307	270	269	5846	1516	4175	0	30	5557	5678	-858	16387	0	16387	2433	18820	50.02
19	4805	385	278	5468	1563	4102	0	1	5562	5946	-918	16162	0	16162	2488	18650	50.00
20	4639	369	260	5268	1525	4114	0	0	5400	5178	-845	15240	0	15240	2414	17654	50.00
21	4203	226	281	4710	1623	3932	0	0	5259	5006	-852	14419	0	14419	2273	16692	50.02
22	4167	139	281	4587	1762	3603	0	0	5136	5169	-925	14196	0	14196	2128	16324	50.06
23	4148	233	281	4662	1859	3337	0	0	4914	5077	-1075	13860	0	13860	1989	15849	50.06
24	4126	163	272	4561	1775	3382	0	0	5001	4865	-1059	13524	0	13524	1894	15418	50.04
MUs	122.7 2	6.05	6.62	135.38	35.85	99.13	0.00	5.68	141.19	139.20	-22.83	392.40	0.00	392.40	51.29	443.70	50.01

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 27/Nov/2020

Position as on 6.30 Hrs of 28/Nov/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koradi Unit 10	660	09/11/2020	01.28		Continued.	Air heater problem(Converted in to Annual Overhaul.From	
MSPGCL	Khaparkheda Unit 3	210	19/11/2020	23.55		Continued.	ANNUAL OVERHAUL	
MSPGCL	Koyana STG-IV Unit-2	250	23/11/2020	08.00		Continued.	Capital Overhaul	
FORCED OUTAGE								
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.(Converted To Zero Schedule From 12.09.2019 At 10.00 hrs)	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule from 18:00hrs of 28/09/2019	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule By MSEDCL	
IPP	RPL(AMT) U-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 13-12-2019)	
IPP	RPL(AMT) U-3	270	11/02/2020	18.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	11/02/2020	19.30		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	01/03/2020	20.57		Continued.	Gas shortage	
IPP	RPL(AMT) U-1	270	04/03/2020	19.30		Continued.	Zero Schedule By MSEDCL	
IPP	RPL(AMT) U-2	270	09/03/2020	20.15		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Uran Unit B0	120	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
MSPGCL	Chandrapur Unit 7	500	29/09/2020	01.58		Continued.	Tripped On Generator Protection.	
IPP	JSW (J) U2	300	01/11/2020	04.44		Continued.	No Schedule	
IPP	Adani U-1	660	23/11/2020	10.46	27/11/2020	00.04	APH-A hot PA bellow leakage.	
MSPGCL	Khaparkheda Unit 5	500	27/11/2020	06.52		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	27/11/2020	20.00		Continued.	Zero Schedule by MSEDCL	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 27/Nov/2020

Statement-VII

Position as on 6.30 Hrs of 28/Nov/2020

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	19/10/2020	23.01		Continued.	PO	Abnormal sound from main tank of smoothing reactor at Chandrapur end
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 I	InterState	21/11/2020	10.18		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	27/11/2020	09.20	27/11/2020	17.30	PO	Annual Maintenance Work
Akola Wardha I	InterState	27/11/2020	10.01	27/11/2020	19.18	PO	Replacement of porcelain Insulators
Kudus-Padgha(PG) Ckt I	InterState	27/11/2020	11.08	27/11/2020	11.45	T	Distance Protection
Karad - Jaigad - II	IntraState	16/09/2020	23.34		Continued.	HT	Over Voltage (Tower Collapsed Loc No.150 at 18.59Hrs DT.27/09/2020).
Jaigad-Karad Ckt-I	IntraState	27/09/2020	18.59		Continued.	T	Distance Protection(Tower Collapsed Loc No.150 at 18.59Hrs DT.27/09/2020).
Bus Coupler @ Koradi	IntraState	23/11/2020	11.25		Continued.	PO	Circuit Breaker Pole Overhauling.
Khadka-Aurangabad (Waluj)	IntraState	26/11/2020	17.33	27/11/2020	06.43	HT	Over Voltage
Dhule - Bableshwar - II	IntraState	26/11/2020	19.59	27/11/2020	08.25	HT	Over Voltage
Akola II - RPL(Rattanindia) Ckt I	IntraState	26/11/2020	20.05	27/11/2020	08.23	HT	Over Voltage
karad - kolhapur-I	IntraState	26/11/2020	20.07	27/11/2020	07.59	HT	Over Voltage
New Koyna - Dabhol - II	IntraState	27/11/2020	10.07	27/11/2020	18.55	PO	Faulty String replacement work
Koradi-Bhusawal	IntraState	27/11/2020	10.42		Continued.	PO	Replacement of Flashover String(RFC 19.41Hrs)
Lonikand 1 -Jejuri	IntraState	27/11/2020	11.17	27/11/2020	16.18	PO	Insulator string replacement
Dhule - Bableshwar - II	IntraState	27/11/2020	20.06		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection,Declared Faulty.
400/220kv 315 MVA ICT I @ KOLHAPUR-III (TALANDGE)	IntraState	10/09/2020	09.58		Continued.	PO	Replacement of Existing 315 MVA ICT by 3*167 MVA ICT.
400/220/33 Kv 315 Mva Ict 2 @Dhule	IntraState	23/09/2020	09.12		Continued.	PO	Augmentation work of 400/220 315MVA ICT-II to 501MVA
400/220/33 Kv 315 MVA ICT II @Chandrapur GCR	IntraState	18/11/2020	19.25		Continued.	PO	Bursting Of HV Side R-Phase Bushing.
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	27/11/2020	09.44	27/11/2020	19.08	PO	Routine Maintenance Work
400/220KV 500MVA ICT-I @Nanded	IntraState	27/11/2020	12.18	27/11/2020	16.40	PO	Tan Delta Measurment of CTs
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule(Charge from Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule(Close at Chikodi end only)
Tillari Amona	InterState	02/11/2020	14.30		Continued.	PO	220 kv Amona Bay old CB Replacement (civil,Erection & Commissioning,testing)Work at 220 kv Tillari Switch yard.
Kharghar-Borivali ckt II	IntraState	11/08/2020	01.45		Continued.	T	Special Repair Cable work.
Parli 3 (Old Gcr)-Girwali Ckt-3	IntraState	20/08/2020	13.05		Continued.	PO	Erection of Tower Due to Railway Crossing
Parli 3(Old Gcr)- Girwali Ckt 4	IntraState	20/08/2020	13.06		Continued.	PO	Erection of Tower Due to Railway Crossing
Badnera - Nandgaonpeth	IntraState	27/11/2020	07.20	27/11/2020	07.58	T	Bus Bar Protection Operated
Dhamangaon New - Badnera	IntraState	27/11/2020	07.20	27/11/2020	07.56	T	Bus Bar Protection Operated
Badnera-Akola I	IntraState	27/11/2020	07.20	27/11/2020	08.03	T	Bus Bar Protection Operated at Badnera

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 27/Nov/2020

Statement-VII

Position as on 6.30 Hrs of 28/Nov/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Badnera Tss-I	IntraState	27/11/2020	07.20	27/11/2020	08.03	T	Bus Bar Protection Operated at Badnera
Badnera - Amravati	IntraState	27/11/2020	07.20	27/11/2020	07.56	T	Bus Bar Protection Operated at Badnera
Apta - Taloja	IntraState	27/11/2020	07.33	27/11/2020	09.33	EO	To attend Hot Spot
Pedhambe - Oni	IntraState	27/11/2020	08.20	27/11/2020	08.42	PO	Cold washing of Insulator Strings
Peth- Mudshingi -I	IntraState	27/11/2020	08.40	27/11/2020	18.15	PO	Conductor restringing
Sawantwadi-Bidri	IntraState	27/11/2020	09.07	27/11/2020	16.30	PO	Testing Work
Butibori - Khaperkheda	IntraState	27/11/2020	09.22	27/11/2020	14.38	PO	Testing Work
Kalwa - Siemens	IntraState	27/11/2020	09.47	27/11/2020	14.15	PO	To carry out Density Monitor testing of GIS Pole
Jejuri-Phursungi ckt-2	IntraState	27/11/2020	10.25	27/11/2020	16.49	PO	Replacement of Faulty String
Aurangabad (Waluj)-Bhenda	IntraState	27/11/2020	11.15	27/11/2020	17.14	PO	Stringing of LILO 220KV Waluj-Chitegaon line
Kalwa1- Airoli Knowledge Park	IntraState	27/11/2020	11.33	27/11/2020	18.02	EO	To attend Hot Spot
Aurangabad (waluj)-Taptitanda ckt-1	IntraState	27/11/2020	11.55	27/11/2020	17.45	PO	Testing Work
SIEMENS - RELIANCE GIS	IntraState	27/11/2020	14.17	27/11/2020	18.00	PO	Density monitoring test of GIS Pole
220 KV ICT Outages/Trippings							
220/132 Kv Ict 2 200 Mva @Parbhani	IntraState	27/11/2020	03.40	27/11/2020	04.51	T	132KV Bus Bar Protection Operated
220/132 Kv Ict 1 200 Mva @Parbhani	IntraState	27/11/2020	03.40	27/11/2020	04.43	T	132KV Bus Bar Protection Operated
220/132Kv 200MVA ICT-I @ Akola	IntraState	27/11/2020	09.06	27/11/2020	15.56	PO	Routine Maintenance Work
220/132kv 200MVA ICT-1@Jeur	IntraState	27/11/2020	10.02	27/11/2020	16.38	PO	OLTC problem
220/100 Kv 200 MVA ICT-II @Trombay	IntraState	27/11/2020	11.20	27/11/2020	17.45	PO	Isolator replacement work
220/132 kv 200 MVA ICT- I @ Nanded	IntraState	27/11/2020	12.20	27/11/2020	16.33	PO	Winding Resistance test

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