

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Nov/2019 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.521	3506.056	1) Gujrat	5.940	105.316
2) Hydro	20.647	284.827	2) Madhya Pradesh	12.129	273.810
3) Gas	7.698	264.714	3) Chattisgarh	7.660	204.980
Total MSPGCL	151.866	4055.597	4) Maharashtra	114.960	3397.145
B) 1) APLM	74.456	2112.131	5) Goa (Amona)	-0.550	-15.246
2) JSWEL	24.167	608.858	Total	140.139	3966.005
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.084	767.421
4) RPL(AMT)	0.000	49.977	b) Mumbai Drawl	27.800	845.654
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	29.871	772.112
6) Other IPP	12.402	259.789	Include PX	2.027	-2.096
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.084	767.421
C) 1) TPCL Thermal	14.358	410.650	Include PX	6.466	236.856
2) TPCL Hydro	2.844	114.704	Standby	0.000	0.000
3) TPCL Gas	4.015	127.614	H) ENERGY CATERED (MUs)		
4) AEML Thermal	10.829	304.380	1) MSEDCL	389.622	10621.487
D) STATE			2) Mumbai Discoms	59.846	1803.002
1) Thermal	259.733	7251.841	TOTAL STATE	449.468	12424.489
(A1+C1+C4+(B1-B6))					
2) Hydro	23.491	399.531			
(A2+C2)					
3) Gas	11.713	392.328			
(A3+B7+C3)					
4) Wind	9.774	249.131			
6) SOLAR	4.618	165.653			
TOTAL STATE	309.329	8458.484			

* 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 4 Hrs
MSPGCL Thermal	5382	5405	5371	4660
MSPGCL Hydro	1706	1572	1377	69
MSPGCL Gas	278	267	324	399
MSPGCL Total Generation	7366	7244	7072	5128
Central Sector Receipt	6543	6634	5098	5120
WIND	557	526	329	431
CPP / IPP Thermal	4846	4899	4878	4112
CPP / IPP Gas	0	0	0	0
SOLAR	769	715	0	0
Exchange with Mumbai	-1398	-1412	-1242	-823
MSEDCL DEMAND MET	18683	18606	16135	13968
Load Shedding	0	0	0	0
MSEDCL DEMAND	18683	18606	16135	13968
TPCL GENERATION	1098	1036	1136	675
AEML GENERATION	498	499	502	370
MUMBAI DEMAND	2994	2947	2880	1868
STATE DEMAND MET	21677	21553	19015	15836
STATE DEMAND	21677	21553	19015	15836
Frequency (Hz)	50.00	50.00	50.03	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 06.02 Hrs	49.79 Hz at 17.40 Hrs	50	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 30/Nov/2019

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	12.83	344.23	580	480
Unit 9	13.50	314.45	660	470
Unit 10	0.00	300.64	0	0
Total	26.33	959.32		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	9.16	280.71	430	350
Unit 5	9.92	262.12	480	350
Total	19.08	542.83		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.57	96.94	250	190
Unit 7	5.41	97.32	248	191
Unit 8	5.61	98.56	250	188
Total	16.59	292.82		
Chandrapur				
Unit 3	4.05	105.91	188	150
Unit 4	3.86	41.60	168	150
Unit 5	8.76	233.13	373	350
Unit 6	10.21	262.32	460	360
Unit 7	0.00	0.00	0	0
Unit 8	9.91	300.80	460	360
Unit 9	10.48	261.61	485	360
Total	47.27	1205.37		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Total	0.00	0.00		
Khaparkhedda				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Unit 3	0.00	47.45	0	0
Unit 4	0.00	67.22	0	0
Unit 5	9.99	272.25	485	361
Total	9.99	386.92		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	68.64	0	0
Unit 5	4.28	50.15	192	160
Total	4.28	118.79		
Uran				
All Units	7.70	264.71	469	266
Total	7.70	264.71		
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)	0.18	7.13	23	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.18	7.13		
Koyna				
Stage 1-2	4.16	93.22	465	35
Stage 4	12.11	106.59	1000	0
Stage 3	3.40	43.78	320	0
Total	19.67	243.58		
Hydro				
KDPH	0.00	1.01	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	1.61	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.16	8.11	73	0
RNGR+BHTSA	0.39	9.73	17	16
BHANDARDRA	0.00	0.19	0	0
ELDARY	0.00	5.96	0	0
SMLHY_PTN	0.28	5.61	12	11
GHATGHAR	0.15	9.02	110	0
Total	0.98	41.24		
Wind				
Total	9.77	249.13	0	0
Total	9.77	249.13		
CPP				
APML(Mus)	74.46	2112.13	0	0
JSWEL(Mus)	24.17	608.86	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	49.98	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	12.40	259.79	0	0
Total	111.02	3030.76		
SOLAR				
Total	4.62	165.65	0	0
Total	4.62	165.65		
Tata				
Trombay 5	9.89	269.28	480	306
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.51	80.92	108	91
Trombay 7B	1.51	46.69	64	59
Trombay 8	4.47	141.37	197	129
TATA Hydro	2.84	114.70	315	0
Total	21.22	652.97		
AEML				
DTPS U-1&2	10.83	304.38	502	370
Total	10.83	304.38		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	123.52	3506.06	MSPGCL Total	151.87	4055.60
			MSPGCL Thml+Gas	131.22	3770.77	Koyna 1,2 & 4 Total	16.27	199.80
			MSPGCL Hydro	20.65	284.83	State Total	309.33	8458.48

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 30/Nov/2019

Annexure-2

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	4656	64	469	5189	317	4293	0	0	5469	5368	-1198	13969	0	13969	2250	16219	49.99
2	4626	69	462	5157	355	4130	0	0	5392	5241	-1025	13858	0	13858	2077	15935	49.96
3	4555	164	418	5137	413	4034	0	0	5310	5420	-898	14106	0	14106	1950	16056	49.97
4	4660	69	399	5128	431	4112	0	0	5217	5120	-823	13968	0	13968	1868	15836	49.95
5	4814	117	390	5321	453	4417	0	0	5404	5271	-817	14645	0	14645	1843	16488	49.96
6	5280	440	399	6119	486	4525	0	0	5614	5382	-786	15726	0	15726	1929	17655	49.97
7	5386	1273	340	6999	546	4508	0	6	5763	5754	-699	17114	0	17114	2023	19137	50.05
8	5324	1604	289	7217	526	4503	0	97	6069	6140	-783	17700	0	17700	2133	19833	50.03
9	5312	1647	276	7235	526	4521	0	293	5677	6104	-938	17741	0	17741	2380	20121	50.01
10	5279	1628	295	7202	521	4518	0	524	6032	6248	-1216	17797	0	17797	2683	20480	49.98
11	5390	1366	270	7026	553	4802	0	666	6252	6609	-1343	18313	0	18313	2911	21224	50.02
12	5382	1706	278	7366	557	4846	0	769	6577	6543	-1398	18683	0	18683	2994	21677	50.00
13	5405	1572	267	7244	526	4899	0	715	6573	6634	-1412	18606	0	18606	2947	21553	50.00
14	5481	915	266	6662	433	4867	0	612	6831	6871	-1424	18021	0	18021	2854	20875	50.01
15	5500	854	274	6628	383	4871	0	461	7200	7124	-1384	18083	0	18083	2878	20961	49.99
16	5471	1414	267	7152	348	4823	0	331	6837	6830	-1319	18165	0	18165	2864	21029	49.96
17	5472	1726	266	7464	320	4879	0	126	6147	6169	-1281	17677	0	17677	2841	20518	49.98
18	5342	1423	312	7077	348	4878	0	18	5657	5901	-1251	16971	0	16971	2822	19793	49.99
19	5371	1377	324	7072	329	4878	0	0	5293	5098	-1242	16135	0	16135	2880	19015	50.03
20	5360	680	306	6346	326	4873	0	0	5275	5210	-1136	15619	0	15619	2788	18407	50.03
21	5179	208	283	5670	281	4800	0	0	5245	5453	-1351	14853	0	14853	2655	17508	50.01
22	4899	67	276	5242	256	4709	0	0	5163	5245	-1358	14094	0	14094	2505	16599	50.04
23	4692	167	286	5145	245	4695	0	0	5180	5277	-1349	14013	0	14013	2416	16429	50.00
24	4685	97	286	5068	295	4644	0	0	5285	5127	-1369	13765	0	13765	2355	16120	50.02
MUs	123.52	20.65	7.70	151.87	9.77	111.03	0.00	4.62	139.46	140.14	-27.80	389.62	0.00	389.62	59.85	449.47	50.00

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 30/Nov/2019

Position as on 6.30 Hrs of 01/Dec/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
MSPGCL	Chandrapur Unit 7	500	27/07/2019	00.00		Continued.	Annual Overhaul	
MSPGCL	Ghatghar Unit-1	125	25/09/2019	04.20		Continued.	Withdrawn On Shaft Seal Water Leakage. Converted to AOH From 1 Nov 2019.	
MSPGCL	Koyna Unit 7	80	31/10/2019	16.30		Continued.	Turbine Vibration(converted to Capital Overhaul for 60 Days from 09.00Hrs DT.01-11-2019)	
MSPGCL	Nasik Unit 4	210	20/11/2019	04.15		Continued.	ID Fan Problem(Converted for Zero Schedule from 05.00hrs DT. 21-11-2019 and Continued for Annual Overhaul From 01.12.2019	
TPC_G	Trombay 8	250	01/12/2019	00.50		Continued.	Annual Overhaul	
FORCED OUTAGE								
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
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	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
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	Paras Unit 4	250	25/08/2019	00.45		Continued.	Annual Overhaul Converted Zero Schedule From 28.10.2019 18.00	
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 20.00 hrs)	
IPP	RPL(AMT) U-1	270	01/09/2019	09.11		Continued.	Generator Protection operated	
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	
MSPGCL	Nasik Unit 3	210	09/10/2019	23.57		Continued.	Under Case 4 Bidding.	
MSPGCL	Khaparkheda Unit 1	210	12/10/2019	00.11		Continued.	Zero Schedule	
MSPGCL	Khaparkheda Unit 2	210	12/10/2019	00.17		Continued.	Zero Schedule	
MSPGCL	Paras Unit 3	250	23/10/2019	00.00		Continued.	Zero Schedule	
IPP	RPL(AMT) U-3	270	25/10/2019	02.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-2	270	25/10/2019	22.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	09/11/2019	03.00		Continued.	Zero Schedule By MSEDCL.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Nov/2019

Position as on 6.30 Hrs of 01/Dec/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 3	210	27/11/2019	22.53		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 4	210	29/11/2019	17.45	01/12/2019	19.08	Boiler Tube Leakage	
MSPGCL	Koradi Unit 10	660	29/11/2019	18.11		Continued.	Preheater Jam.	
MSPGCL	Uran Unit 6	108	30/11/2019	02.32	01/12/2019	23.19	Air Filter Replacement.	
MSPGCL	Uran Unit 8	108	30/11/2019	19.14		Continued.	Over Speed Bolt Trip.	
MSPGCL	Parli Unit 7	250	01/12/2019	16.22		Continued.	Boiler Tube Leakage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 30/Nov/2019

Statement-VII

Position as on 6.30 Hrs of 01/Dec/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Tripping							
Chandrapur - Padghe Hvdc Pole 1	IntraState	28/11/2019	11.34	01/12/2019	18.26	PO	Annual Maintenance Work & Diagnostic Testing Work.
Chandrapur - Padghe Hvdc Pole 2	IntraState	29/11/2019	23.02	30/11/2019	01.02	PO	Smoothing Reactor Oil Top Up Work
400 KV LINE Outages/Tripping							
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	29/11/2019	09.50	30/11/2019	07.14	PO	Disc Insulator Replacement Work. (RFC at 16.45hrs)
Padgha Tarapur I	InterState	30/11/2019	13.09	30/11/2019	18.28	PO	Rectify Broken Jumper
Dhule Sar'Sarovar I	InterState	30/11/2019	17.20		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	29/11/2019	19.03	30/11/2019	09.02	HT	Over Voltage
Girwali-Solapur (Lamboti)	IntraState	30/11/2019	04.17	30/11/2019	05.53	T	R-Ph CT Burst at Lamboti end.
Girwali-Solapur (Lamboti)	IntraState	30/11/2019	15.53	30/11/2019	19.07	EO	Stability Test For Teed Protection
Khadka-Aurangabad (Waluj)	IntraState	30/11/2019	19.31		Continued.	HT	Over Voltage
400 KV ICT Outages/Tripping							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection, Declared Faulty.
400/220 Kv 315 MVA ICT -I @New Koyna	IntraState	30/11/2019	09.54	30/11/2019	12.31	PO	LV CB Shifted on TBC as Genral Lockout indication Received
400/220/33 Kv 500 Mva Ict-3 @Nagothane	IntraState	01/12/2019	11.55	01/12/2019	16.04	EO	Broken Isolator Replacement Work.
220 KV LINE Outages/Tripping							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.(close at Mudshingi end only)
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
Tillari Amona	InterState	01/12/2019	00.01	01/12/2019	16.24	PO	Attending Hot Spot
Boisar Tarapur	InterState	01/12/2019	06.24	01/12/2019	19.41	PO	Construction Work
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Kharghar - Tss Panvel	IntraState	26/11/2019	11.48		Continued.	PO	Construction Work
Topworth - Kharghar	IntraState	26/11/2019	12.11		Continued.	PO	Construction Work
Dahanu Ghodbunder Line 1	IntraState	30/11/2019	07.23	30/11/2019	13.17	PO	Attending CVT Oil Leakage
Mahape - TIFIL	IntraState	30/11/2019	07.26	30/11/2019	18.40	PO	Earthwire Replacement Work
Boisar II - Tarapur	IntraState	30/11/2019	07.29	30/11/2019	19.33	PO	Construction Work
Ekalahara(Ocr)(Nashik)-Navasari II	IntraState	30/11/2019	09.00	30/11/2019	17.36	PO	Insulator Replacement work
Wada - Bhaveghar	IntraState	30/11/2019	09.02	30/11/2019	18.15	PO	Faulty Insulator String Replacement Work
Ghatghar - Bapgaon	IntraState	30/11/2019	09.28	30/11/2019	15.35	PO	OPGW Earthwire Replacement Work
Kharghar-Borivali ckt II	IntraState	30/11/2019	09.41	30/11/2019	16.40	PO	OPGW Earthwire Replacement work
Phursungi-Serum	IntraState	30/11/2019	10.05	30/11/2019	18.23	PO	Replacement work
Chinchwad-Hinjewadi I	IntraState	30/11/2019	10.08	30/11/2019	17.30	PO	Urse -Talegaon outage
Sahara-Urse	IntraState	30/11/2019	10.45	30/11/2019	17.22	PO	Urse -Talegaon Outage
Urse - Talegaon (Ambi) Ckt 2	IntraState	30/11/2019	10.50	30/11/2019	17.21	PO	Half yearly maintenance work
Apta - Taloja	IntraState	30/11/2019	10.53	30/11/2019	12.32	PO	Jumper & Nut Bolt Tightening Work
Apta - Kalwa1	IntraState	30/11/2019	12.49	30/11/2019	14.23	PO	Jumper & Nut Bolt Tightening Work
Nagothane - Posco	IntraState	30/11/2019	15.04	30/11/2019	17.23	EO	Attending CT Oil Leakage
SIEMENS - RELIANCE GIS	IntraState	01/12/2019	08.47	01/12/2019	17.58	PO	OPGW Earth Wire Replacement.
Kharghar-Borivali ckt II	IntraState	01/12/2019	09.28	01/12/2019	18.01	PO	OPGW Earth Wire Replacement.

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 30/Nov/2019

Statement-VII

Position as on 6.30 Hrs of 01/Dec/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Nagothane - Ipcl	IntraState	01/12/2019	12.24	01/12/2019	13.01	T	Distance Protection
IPCL - SPCL	IntraState	01/12/2019	12.24	01/12/2019	17.00	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT I @Pal-Dombivali	IntraState	30/11/2019	08.28	30/11/2019	19.15	PO	Replacement work
220/100 Kv 200 MVA ICT IV @Apta	IntraState	30/11/2019	11.25	01/12/2019	11.35	PO	Heavy Oil Leakage