

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Dec/2018 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	135.794	1816.897	1) Gujrat	3.022	15.521
2) Hydro	3.902	61.832	2) Madhya Pradesh	9.351	118.068
3) Gas	7.344	90.171	3) Chattisgarh	5.420	78.620
Total MSPGCL	147.040	1968.900	4) Maharashtra Net	85.244	1240.052
B) 1) APML	67.905	897.338	5) Goa (Amona)	-0.198	-3.300
2) JSWEL	18.106	229.996	Total	102.839	1448.961
3) VIPL	8.560	117.291	a) Mumbai Schedule	19.057	242.463
4) RPL(AMT)	14.156	170.312	b) Mumbai Drawl	21.083	296.516
5) WPCL	2.007	25.539	c) MSEDCL Bilateral *	17.304	282.129
6) PGPL	0.000	0.000	Include PX	-7.850	-56.672
7) Other IPP	15.714	195.004	d) Mumbai Bilateral *	19.057	242.463
C) 1) TPCL Thermal	12.331	167.075	Include PX	1.806	25.224
2) TPCL Hydro	4.918	44.890	Include Standby	0.000	0.000
3) TPCL Gas	4.246	56.181	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	8.975	125.169	1) MSEDCL	369.960	4906.085
D) STATE			2) Mumbai Discoms	51.553	689.825
1) Thermal	283.548	3744.621	TOTAL STATE	421.513	5595.910
(A1+C1+C4+(B1-B6))					
2) Hydro	8.820	106.722			
(A2+C2)					
3) Gas	11.590	146.352			
(A3+B6+C3)					
4) Wind	9.683	85.461			
6) SOLAR	5.033	63.799			
TOTAL STATE	318.674	4146.955			

* 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 13 Hrs	C. Evening Peak at 19 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	6110	5964	5836	5365
MSPGCL Hydro	240	290	116	88
MSPGCL Gas	296	299	304	302
MSPGCL Total Generation	6646	6552	6256	5756
Central Sector Receipt	5489	5128	4551	1884
WIND	470	290	239	748
CPP / IPP Thermal	6044	5640	5627	4604
CPP / IPP Gas	0	0	0	0
SOLAR	682	796	0	0
Exchange with Mumbai	-1209	-1160	-1144	-675
MSEDCL DEMAND MET	18121	17246	15530	12317
Load Shedding	0	0	0	0
MSEDCL DEMAND	18121	17246	15530	12317
TPCL GENERATION	1059	1087	1040	767
R-INFRA GENERATION	374	375	373	373
MUMBAI DEMAND	2642	2622	2557	1815
STATE DEMAND MET	20763	19868	18087	14132
STATE DEMAND	20763	19868	18087	14132
Frequency (Hz)	50.02	49.97	49.95	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 06:02 Hrs	49.77 Hz at 04:08 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 13/Dec/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	6.65	0	0
Unit 7	0.16	0.16	50	0
Unit 8	7.10	103.63	301	272
Unit 9	7.24	65.06	316	290
Unit 10	7.21	101.08	302	298
Total	21.72	276.58		
Bhusawal				
Unit 3	3.84	10.33	165	155
Unit 4	9.39	125.88	490	350
Unit 5	9.38	125.48	490	350
Total	22.62	261.69		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	11.08	0	0
Unit 7	0.00	37.54	0	0
Unit 8	4.75	64.09	202	189
Total	4.75	112.71		
Chandrapur				
Unit 3	4.05	54.97	183	158
Unit 4	4.18	54.45	185	163
Unit 5	9.15	120.50	410	355
Unit 6	9.73	123.85	455	356
Unit 7	7.91	115.58	374	300
Unit 8	9.98	128.68	460	360
Unit 9	10.06	129.34	470	361
Total	55.06	727.36		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.43	69.07	255	190
Total	5.43	69.07		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	4.08	51.20	190	160
Unit 3	4.00	50.56	177	160
Unit 4	4.24	47.34	205	160
Unit 5	9.80	124.00	440	378
Total	22.14	273.09		
Nasik				
Unit 3	0.00	49.61	0	0
Unit 4	4.09	46.80	198	157
Unit 5	0.00	0.00	0	0
Total	4.09	96.41		
Uran				
All Units	7.34	90.17	325	286
Total	7.34	90.17		
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)	0.05	1.01	33	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.05	1.01		
Koyna				
Stage 1-2	1.01	18.55	50	35
Stage 4	0.00	5.72	0	0
Stage 3	0.00	5.19	0	0
Total	1.01	29.47		
Hydro				
KDPH	0.44	5.75	19	19
VTRNA	0.52	2.17	60	0
TILLARI	0.00	3.29	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.28	2.10	80	0
RNGR+BHTSA	0.34	4.53	14	13
BHANDARDRA	0.00	0.01	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.46	4.46	28	16
GHATGHAR	0.85	10.04	125	0
Total	2.89	32.36		
Wind				
Total	9.68	85.46	0	0
Total	9.68	85.46		
CPP				
APML(Mus)	67.90	897.34	0	0
JSWEL(Mus)	18.11	230.00	0	0
VIPL(Mus)	8.56	117.29	0	0
RPLAMT(Mus)	14.16	170.31	0	0
WPCL(Mus)	2.01	25.54	0	0
Other(Mus)	15.71	195.00	0	0
Total	126.45	1635.48		
SOLAR				
Total	5.03	63.80	0	0
Total	5.03	63.80		
Tata				
Trombay 5	7.37	102.55	309	304
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.67	35.52	115	85
Trombay 7B	1.57	20.66	67	57
Trombay 8	4.96	64.53	225	202
TATA Hydro	4.92	44.89	408	0
Total	21.50	268.15		
R-INFRA				
DTPS U-1&2	8.98	125.17	375	372
Total	8.98	125.17		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	135.79	1816.90	MSPGCL Total	147.04	1968.90
			MSPGCL Thml+Gas	143.14	1907.07	Koyna 1,2 & 4 Total	1.01	24.28
			MSPGCL Hydro	3.90	61.83	State Total	318.67	4146.96

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/Dec/2018

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	5270	84	314	5668	187	4648	0	0	3148	3105	-644	12964	0	12964	1737	14701	50.00
2	5254	90	313	5656	242	4643	0	0	3184	3182	-541	13183	0	13183	1604	14787	49.99
3	5227	100	315	5642	242	4647	0	0	3565	3459	-457	13533	0	13533	1519	15052	49.96
4	5226	90	315	5630	346	4636	0	0	3748	3453	-441	13624	0	13624	1476	15100	49.94
5	5231	90	324	5644	510	4639	0	0	3762	4015	-451	14358	0	14358	1475	15833	49.92
6	5387	90	316	5792	527	4823	0	0	4115	4597	-554	15186	0	15186	1595	16781	49.94
7	5961	140	315	6416	640	5389	0	6	5054	4808	-699	16559	0	16559	1783	18342	49.97
8	6039	150	315	6504	650	5692	0	89	4887	5005	-720	17220	0	17220	1940	19160	49.97
9	6059	154	325	6538	581	5855	0	290	5112	5156	-874	17547	0	17547	2215	19762	49.99
10	6069	204	310	6584	544	5895	0	520	5214	5354	-1016	17880	0	17880	2476	20356	49.96
11	6110	240	296	6646	470	6044	0	682	5569	5489	-1209	18121	0	18121	2642	20763	50.02
12	6057	304	300	6660	399	5744	0	792	5560	5470	-1201	17865	0	17865	2675	20540	49.95
13	5964	290	299	6552	290	5640	0	796	5297	5128	-1160	17246	0	17246	2622	19868	49.97
14	5909	284	287	6480	214	5717	0	699	5153	5038	-1081	17067	0	17067	2498	19565	49.96
15	5732	284	286	6302	188	5670	0	568	5189	5313	-1074	16967	0	16967	2514	19481	49.94
16	5783	220	297	6300	152	5657	0	391	4979	5221	-1084	16637	0	16637	2534	19171	49.95
17	5827	220	289	6336	161	5545	0	179	4975	4773	-1073	15921	0	15921	2520	18441	49.96
18	5795	214	291	6300	154	5610	0	21	4805	4543	-1127	15501	0	15501	2495	17996	49.95
19	5836	116	304	6256	239	5627	0	0	4712	4551	-1144	15530	0	15530	2557	18087	49.95
20	5561	174	306	6042	385	5416	0	0	4463	4085	-1068	14860	0	14860	2452	17312	49.99
21	5375	96	307	5778	457	4983	0	0	3747	3749	-1035	13933	0	13933	2301	16234	49.98
22	5384	88	308	5780	572	4706	0	0	3131	3189	-940	13308	0	13308	2127	15435	49.99
23	5373	94	310	5776	785	4617	0	0	2345	2272	-815	12636	0	12636	1981	14617	50.00
24	5365	88	302	5756	748	4604	0	0	2187	1884	-675	12317	0	12317	1815	14132	50.03
MUs	135.79	3.90	7.34	147.04	9.68	126.45	0.00	5.03	103.90	102.84	-21.08	369.96	0.00	369.96	51.55	421.51	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 13/Dec/2018

Position as on 6.30 Hrs of 14/Dec/2018

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	Nasik Unit 5	210	22/11/2018	03.50		Continued.	Boiler Tube Leakage work completed on 24/11/2018. Available against case 4 from 25/11/2018. Converted to COH from 00:00 Hrs of 05/12/2018 (for 40 Days)	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
MSPGCL	Koradi Unit 7	210	03/08/2018	15.54	13/12/2018	18.54	Poor Coal Receipt.	
MSPGCL	Khaparkheda Unit 1	210	11/08/2018	23.57		Continued.	Poor coal Receipt	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit 8	108	08/09/2018	22.08		Continued.	Withdrawn due to B0 & U-7	
MSPGCL	Paras Unit 3	250	15/09/2018	00.55		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-4	270	20/09/2018	00.01		Continued.	Poor Coal Receipt	
IPP	RPL(AMT) U-5	270	21/09/2018	00.05		Continued.	Poor Coal Receipt	
MSPGCL	Koyana Unit 4	70	03/11/2018	09.02		Continued.	Stator Earth Fault	
MSPGCL	Koyana Unit 1	70	26/11/2018	00.00		Continued.	Oil Cooler Leakage.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
MSPGCL	Koradi Unit 6	210	02/12/2018	22.01		Continued.	Turbine bearing Vabration high	
IPP	JSW (J) U4	300	07/12/2018	01.15		Continued.	No Schedule.	
MSPGCL	Parli Unit 7	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	ZERO SCHEDULE.	
MSPGCL	Nasik Unit 3	210	12/12/2018	20.40		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	14/12/2018	03.00		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 14/Dec/2018

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							
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	06/12/2018	18.04		Continued.	HT	Over Voltage
Padghe(HVDC)- Padghe(HVAC)-I	IntraState	11/12/2018	02.46		Continued.	T	Due To B-Ph CT Burst.
Karad-Jaigad - I	IntraState	11/12/2018	23.54	13/12/2018	10.18	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	12/12/2018	17.13		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	12/12/2018	22.37	13/12/2018	07.38	HT	Over Voltage
Chandrapur II- Warora ckt II	IntraState	13/12/2018	09.15	13/12/2018	17.57	PO	Routine Maintenance Work
Karad - Jaigad - II	IntraState	13/12/2018	10.36		Continued.	PO	Quarterly Maintenance Work
Girwali- Lonikand 2	IntraState	13/12/2018	10.46	14/12/2018	06.16	PO	Testing Work
Bus Coupler @ Padgha	IntraState	13/12/2018	11.12	13/12/2018	15.08	EO	Hot Spot On B-PH B-Bus Hanger Road.
Chandrapur II- Warora ckt II	IntraState	13/12/2018	18.24	13/12/2018	19.51	T	Over Voltage, R-Ph, VT Fuse Fail.
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.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/11/2018	00.54		Continued.	T	Differential protection Bucholz, REF, PRV, CTR Relay R PH unit faulty.
400/220 Kv 315 Mva Ict -2 @New Koyna	IntraState	08/12/2018	08.09		Continued.	PO	Oil Filtration Work.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	13/12/2018	06.04	13/12/2018	08.25	EO	Attending Hot Spot
400/220KV 500MVA ICT-I @Nanded	IntraState	13/12/2018	11.27	13/12/2018	18.46	PO	Tan Delta Measurment of CTs
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	For Bunching Of Conductor at Loc No.86 Disconnecting Of jumper at Loc No.86 to 107 And Deenergising The Line Between Loc No.86 To 107.
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To control line loading.
Kalwa-TIFIL	IntraState	27/11/2018	06.06		Continued.	EO	Tapping Of Tifil Substation On 220KV Kharghar-Borivali Line
Kalwa - Siemens	IntraState	27/11/2018	13.13		Continued.	HT	To Shift Load On Kharghar ICT
Nanded - Parli Ext. Ckt I	IntraState	28/11/2018	05.21		Continued.	HT	TO CONTROL NANDED-NANDED CKT LOADING.
Padgha-Temghar-II	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Padgha - Temghar I	IntraState	03/12/2018	08.15		Continued.	EO	To control load on Padgha ICTs.
Uran - Jnpt	IntraState	12/12/2018	11.00		Continued.	PO	Destrining work for shifting of 220kv ongc-jnpt line
Topworth - Kharghar	IntraState	12/12/2018	12.38		Continued.	PO	Line Isolator maintance work
New Koyna - Loteparshuram	IntraState	13/12/2018	09.14	13/12/2018	18.46	PO	Washing Of Insulator Strings.
Niwali - Pawas Line	IntraState	13/12/2018	09.27	13/12/2018	19.38	PO	Washing Of Insulator Strings.
Flagship-Nandedcity	IntraState	13/12/2018	09.36	13/12/2018	17.32	PO	Line Hardware Replacement Work.
Theur-Phursungi	IntraState	13/12/2018	10.00	13/12/2018	18.55	PO	Maintenance & Diagnostic Testing.
Chalishaon-Sayne	IntraState	13/12/2018	10.01	13/12/2018	13.12	PO	Routine Maintenance Work
Malegaon-Sayne	IntraState	13/12/2018	10.02	13/12/2018	13.13	PO	Routine Maintenance Work

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 13/Dec/2018

Statement-VII

Position as on 6.30 Hrs of 14/Dec/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Padegaon-Sawangi	IntraState	13/12/2018	10.08	13/12/2018	18.39	PO	Replacement Of Insulator String At Loc no.1,2,3,7,16,17.
chandrapur-Tadali	IntraState	13/12/2018	10.27	13/12/2018	18.44	PO	Capacitance and Tan Delta Measurment of CC
Dhamangaon New- Tss-II	IntraState	13/12/2018	10.31	13/12/2018	16.16	PO	Tan Delta Measurment of CTs
Vita - Ghatnandre	IntraState	13/12/2018	10.34		Continued.	PO	Y-PH CT Oil Leakage Attending Work.
Karad(400kv) -Nigade	IntraState	13/12/2018	11.20	13/12/2018	17.14	EO	Attending Hot Spot
Mururd - Tuljapur	IntraState	13/12/2018	12.11	13/12/2018	16.37	PO	Distance Relay Testing Work
Apta - Taloja	IntraState	13/12/2018	12.22	13/12/2018	17.54	EO	Replacement of Flashover Polymer Insulator & Damaged Jumper At Loc No.591.
Solapur(Bale) - Tuljapur	IntraState	13/12/2018	16.47	13/12/2018	18.23	PO	Relay Testing Work.
Kharghar - Tss Panvel	IntraState	14/12/2018	05.25		Continued.	T	Distance Protection Operated, Zone 1, Y-Ph. 7.08Km. 15.76KA.
220 KV ICT Outages/Trippings							
220/16.5KV, 315MVA GT-III at Paras	IntraState	11/12/2018	10.00		Continued.	PO	Bucchholz MALFUNCTION OF GT.
220/132 Kv 200 Mva Emco Ict 2 @Raymond (Nasik 2)	IntraState	13/12/2018	09.52	13/12/2018	18.20	PO	Testing Work
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	13/12/2018	11.31	13/12/2018	18.05	HT	Control Bus Section Loading.
132 KV LINE Outages/Trippings							
Boisar li - Palghar 1	IntraState	12/12/2018	10.44		Continued.	PO	Diognostic Testing
Pusad-Jambazar	IntraState	13/12/2018	20.49	13/12/2018	21.35	T	Distance Protection Operated Zone 1, R-Ph 19.94Km. 1.92KA.

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