

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Apr/2018 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	152.862	2994.576	1) Gujrat	-4.287	-51.256
2) Hydro	25.420	352.682	2) Madhya Pradesh	13.933	371.617
3) Gas	7.770	206.376	3) Chattisgarh	5.160	144.750
Total MSPGCL	186.052	3553.634	4) Maharashtra Net	115.306	2676.297
B) 1) APML	45.541	986.238	5) Goa (Amona)	-0.374	-9.394
2) JSWEL	28.534	441.908	Total	129.738	3132.014
3) VIPL	7.486	118.470	a) Mumbai Schedule	26.345	534.560
4) RPL(AMT)	24.104	496.041	b) Mumbai Drawl	28.301	628.329
5) WPCL	5.472	112.010	c) MSEDCL Bilateral *	21.244	755.967
6) PGPL	0.000	0.000	Include PX	-11.804	90.653
7) Other IPP	11.720	263.719	d) Mumbai Bilateral *	26.345	533.690
C) 1) TPCL Thermal	17.127	321.128	Include PX	10.400	183.582
2) TPCL Hydro	5.551	95.242	Include Standby	0.000	0.870
3) TPCL Gas	4.397	86.329	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.827	234.328	1) MSEDCL	430.803	8830.533
D) STATE			2) Mumbai Discoms	67.203	1365.364
1) Thermal	304.673	5968.418	TOTAL STATE	498.006	10195.897
(A1+C1+C4+(B1-B6))					
2) Hydro	30.971	447.924			
(A2+C2)					
3) Gas	12.167	292.705			
(A3+B6+C3)					
4) Wind	13.777	238.041			
6) SOLAR	6.680	116.787			
TOTAL STATE	368.268	7063.875			

* 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 17 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	6467	6513	6483	5911
MSPGCL Hydro	1167	1751	1798	240
MSPGCL Gas	278	280	366	288
MSPGCL Total Generation	7912	8544	8647	6439
Central Sector Receipt	6131	6297	4388	5351
WIND	387	496	455	797
CPP / IPP Thermal	5113	5249	5016	4919
CPP / IPP Gas	0	0	0	0
SOLAR	878	385	0	0
Exchange with Mumbai	-1395	-1352	-1212	-817
MSEDCL DEMAND MET	19026	19619	17294	16689
Load Shedding	0	0	0	0
MSEDCL DEMAND	19026	19619	17294	16689
TPCL GENERATION	1321	1368	1274	908
R-INFRA GENERATION	499	496	501	501
MUMBAI DEMAND	3215	3216	2987	2226
STATE DEMAND MET	22241	22835	20281	18915
STATE DEMAND	22241	22835	20281	18915
Frequency (Hz)	49.93	49.92	49.93	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 13.01 Hrs	49.71 Hz at 15.10 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 21/Apr/2018

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	8.57	151.44	450	330
Unit 9	10.65	213.01	546	300
Unit 10	10.78	213.25	507	350
Total	30.00	577.70		
Bhusawal				
Unit 3	3.84	89.22	160	155
Unit 4	11.33	235.70	480	445
Unit 5	11.55	238.94	495	425
Total	26.72	563.85		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.76	117.38	246	235
Unit 7	4.96	110.84	245	0
Unit 8	4.62	81.66	218	161
Total	15.33	309.88		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	16.49	0	0
Unit 6	0.00	0.00	0	0
Unit 7	10.61	223.41	450	425
Unit 8	10.75	182.04	460	424
Unit 9	11.35	215.30	484	457
Total	32.71	637.24		
Paras				
Unit 3	5.44	119.14	250	176
Unit 4	5.87	77.85	250	240
Total	11.31	196.98		
Khaparkheda				
Unit 1	3.76	68.70	170	125
Unit 2	4.36	90.09	195	160
Unit 3	4.31	71.15	195	162
Unit 4	4.44	95.12	205	160
Unit 5	11.05	220.71	500	425
Total	27.92	545.76		
Nasik				
Unit 3	0.00	41.67	0	0
Unit 4	4.39	29.36	188	171
Unit 5	4.48	92.12	192	181
Total	8.87	163.15		
Uran				
All Units	7.77	206.38	431	266
Total	7.77	206.38		
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)	0.02	1.78	17	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.02	1.78		
Koyna				
Stage 1-2	5.90	88.28	565	40
Stage 4	11.98	126.91	1000	0
Stage 3	3.49	46.94	240	0
Total	21.37	262.14		
Hydro				
KDPH	0.86	18.13	36	36
VTRNA	1.00	21.91	61	0
TILLARI	0.36	7.58	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.28	4.95	40	0
RNGR+BHTSA	0.30	5.98	13	12
BHANDARDRA	0.50	10.32	40	12
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.50	12.34	21	20
GHATGHAR	0.26	9.33	125	0
Total	4.05	90.54		
Wind				
Total	13.78	238.04	0	0
Total	13.78	238.04		
CPP				
APML(Mus)	45.54	986.24	0	0
JSWEL(Mus)	28.53	441.91	0	0
VIPL(Mus)	7.49	118.47	0	0
RPLAMT(Mus)	24.10	496.04	0	0
WPCL(Mus)	5.47	112.01	0	0
Other(Mus)	11.72	263.72	0	0
Total	122.86	2418.39		
SOLAR				
Total	6.68	116.79	0	0
Total	6.68	116.79		
Tata				
Trombay 5	11.47	211.80	485	438
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.80	54.08	117	116
Trombay 7B	1.59	32.25	67	65
Trombay 8	5.66	109.33	243	222
TATA Hydro	5.55	95.24	459	0
Total	27.08	502.70		
R-INFRA				
DTPS U-1&2	11.83	234.33	502	414
Total	11.83	234.33		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	152.86	2994.58	MSPGCL Total	186.05	3553.63
			MSPGCL Thml+Gas	160.63	3200.95	Koyna 1,2 & 4 Total	17.88	215.20
			MSPGCL Hydro	25.42	352.68	State Total	368.27	7063.88

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/Apr/2018

Annexure-2

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	6156	1464	431	8051	783	5291	0	0	4536	4599	-1079	17645	0	17645	2798	20443	49.94
2	6127	1532	431	8090	753	5245	0	0	4499	4587	-1032	17643	0	17643	2570	20213	49.96
3	6066	1032	320	7418	760	5245	0	0	5088	4983	-1035	17371	0	17371	2399	19770	49.92
4	5928	262	286	6476	746	4974	0	0	5482	5337	-875	16658	0	16658	2280	18938	49.96
5	5911	240	288	6439	797	4919	0	0	5472	5351	-817	16689	0	16689	2226	18915	49.91
6	6080	362	289	6731	934	5103	0	0	5646	5357	-786	17339	0	17339	2245	19584	49.92
7	6315	900	289	7504	867	5225	0	26	5615	5669	-725	18566	0	18566	2198	20764	49.96
8	6355	591	298	7244	751	5198	0	238	5644	5672	-793	18310	0	18310	2266	20576	50.00
9	6455	244	285	6984	765	5091	0	470	5834	5419	-994	17735	0	17735	2480	20215	49.99
10	6430	266	283	6979	652	4830	0	687	5975	5766	-1356	17558	0	17558	2814	20372	49.99
11	6419	336	271	7026	466	5032	0	811	6173	6066	-1467	17934	0	17934	3078	21012	49.93
12	6467	1167	278	7912	387	5113	0	878	6267	6131	-1395	19026	0	19026	3215	22241	49.93
13	6548	1194	279	8021	365	4913	0	906	6304	6349	-1494	19060	0	19060	3234	22294	50.02
14	6511	1066	279	7856	353	5004	0	837	6416	6509	-1516	19043	0	19043	3175	22218	49.98
15	6583	1182	278	8043	395	5003	0	750	6294	6203	-1426	18968	0	18968	3262	22230	49.90
16	6611	1642	266	8519	466	4990	0	559	6326	6246	-1424	19356	0	19356	3276	22632	49.90
17	6513	1751	280	8544	496	5249	0	385	6273	6297	-1352	19619	0	19619	3216	22835	49.92
18	6562	1454	287	8303	430	5162	0	132	6131	6036	-1367	18696	0	18696	3089	21785	49.98
19	6550	803	324	7677	413	4887	0	1	5722	5437	-1410	17005	0	17005	2956	19961	50.00
20	6483	1798	366	8647	455	5016	0	0	4536	4388	-1212	17294	0	17294	2987	20281	49.93
21	6492	1572	387	8451	469	5337	0	0	4275	4303	-1226	17334	0	17334	2926	20260	49.96
22	6524	1401	418	8343	392	5360	0	0	4230	4220	-1204	17111	0	17111	2835	19946	49.98
23	6500	1571	427	8498	393	5357	0	0	4311	4112	-1145	17215	0	17215	2823	20038	49.95
24	6276	1590	430	8296	489	5310	0	0	4448	4701	-1171	17625	0	17625	2855	20480	49.94
MUs	152.86	25.42	7.77	186.05	13.78	122.86	0.00	6.68	131.50	129.74	-28.30	430.80	0.00	430.80	67.20	498.01	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 21/Apr/2018

Position as on 6.30 Hrs of 22/Apr/2018

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 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
MSPGCL	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage, converted to AOH w.e.f 01.02.2018, 00:00Hrs	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown. (NO PPA FROM 01.04.2018)	
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 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	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
CPP	IEPL Unit 1	270	30/12/2017	23.58		Continued.	No Schedule	
IPP	Adani U-2	660	02/01/2018	15.26		Continued.	HPBP Bonnet leakage	
MSPGCL	Koradi Unit 7	210	07/01/2018	17.00		Continued.	Poor Coal Receipt.	
MSPGCL	Uran Unit 8	108	25/03/2018	06.25		Continued.	Thrust Bearing Tripped	
IPP	VIPL U-1	300	01/04/2018	00.26		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 3	210	10/04/2018	09.58		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 5	500	10/04/2018	10.37		Continued.	Air heater problem (Water shortage since 15.04.2018, 22:00Hrs)	
MSPGCL	Ghatghar Unit-1	125	14/04/2018	23.45		Continued.	Stator Earth Fault	
IPP	RPL(AMT) U-4	270	17/04/2018	20.50		Continued.	PA Fan problem	
MSPGCL	Uran Unit 7	108	21/04/2018	02.20	21/04/2018	17.50	filter Replacement.	
MSPGCL	Uran Unit B0	120	21/04/2018	02.20	21/04/2018	20.29	filter Replacement.	
MSPGCL	Parli Unit 7	250	21/04/2018	02.25	21/04/2018	04.42	Furnace Pressure High	
MSPGCL	Parli Unit 6	250	22/04/2018	08.50		Continued.	Boiler Validity Exp.	
MSPGCL	Nasik Unit 5	210	22/04/2018	15.30		Continued.	oil top up	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2018

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2018

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							
HVDC Pole-I	IntraState	20/04/2018	10.38	21/04/2018	18.53	EO	Valve Cooling Problem.
Chandrapur - Padghe Hvdc Pole 2	IntraState	22/04/2018	21.57		Continued.	PO	valve cooling inspection.
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	20/04/2018	18.30	21/04/2018	06.51	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	21/04/2018	18.20		Continued.	HT	Over Voltage
Dabhol New koyna I	InterState	22/04/2018	02.44	22/04/2018	18.59	T	D.T. received at new koyna
Khadka-Aurangabad (Waluj)	IntraState	20/04/2018	19.49	21/04/2018	06.57	HT	Over Voltage
Karad - Lonikand 1	IntraState	21/04/2018	08.10	21/04/2018	10.09	T	Distance Protection
Akola II - RPL(Rattanindia) Ckt-II	IntraState	21/04/2018	09.16	21/04/2018	20.14	PO	pre monsoon Maintenance Work.
Jaigad-New Koyna Ckt-I	IntraState	21/04/2018	10.01	21/04/2018	15.55	PO	cold line washing work.
Girwali-Solapur (Lamboti)	IntraState	21/04/2018	12.34	21/04/2018	15.33	PO	fixing of b phase L.A. jumper.
Lonikand 1 -Jejuri	IntraState	22/04/2018	00.08	22/04/2018	01.02	EO	to attend c.t. main 1 cable problem.
Ektuni-Bableswhar ckt I	IntraState	22/04/2018	10.19	22/04/2018	20.34	PO	Insulator Replacement Work
Karad - Lonikand 1	IntraState	22/04/2018	16.06	22/04/2018	16.35	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	22/04/2018	20.38		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 Mva Ict 1 @Chandrapur 2	IntraState	31/03/2018	21.21		Continued.	HT	hand tripped after charge.
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.
Butibori-Inox	IntraState	20/04/2018	15.09	21/04/2018	01.26	T	Y-PH metering CT burst at Butibori.
TPC Borivali Aarey Line 1	IntraState	21/04/2018	01.02	21/04/2018	07.01	PO	Safety purpose for metro 7 work.
Main Bus-I @ Butibori	IntraState	21/04/2018	07.49	21/04/2018	12.15	PO	to charge extended bus section.
Boisar Versova Line	IntraState	21/04/2018	07.56	21/04/2018	12.30	EO	Attending Hot Spot
New Koyna - Niwali	IntraState	21/04/2018	08.12	21/04/2018	18.17	PO	insulator cleaning work.
Vita - Ghatnandre	IntraState	21/04/2018	09.38	21/04/2018	19.40	PO	cold line washing work.
Gcr Chandrapur - Grace Ltd	IntraState	21/04/2018	09.42	21/04/2018	14.18	PO	Replacement of Disc.
Apta - Kalwa	IntraState	21/04/2018	10.05	21/04/2018	17.27	PO	earth wire replacement work.
Bableswhar -Ahamadnagar-I	IntraState	21/04/2018	10.08	21/04/2018	13.04	EO	Attending Hot Spot
Waluj - Degaon Rangari	IntraState	21/04/2018	13.25	21/04/2018	16.40	PO	Testing Work
Pirangut - Hinjawadi 2	IntraState	21/04/2018	13.27	21/04/2018	15.04	PO	replacement of faulty pressure switch.
Bableswhar Ahamadnagar-li	IntraState	21/04/2018	13.45	21/04/2018	18.29	PO	breaker Testing Work.
Bableswhar Ahamadnagar-li	IntraState	21/04/2018	22.07	22/04/2018	05.56	HT	due to sparking on isolator problem.
Mulund - GIS Bhandup	IntraState	22/04/2018	07.13		Continued.	PO	providing bunching at loc 16 to form new line as Kalwa Bhandup.
Kalwa - Borivali	IntraState	22/04/2018	07.13		Continued.	PO	providing bunching at loc 16 to form new line as Kalwa Bhandup.

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 21/Apr/2018

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kharghar-Borivali ckt II	IntraState	22/04/2018	10.11	22/04/2018	11.00	HT	Line Maintenance work
Kharghar-Borivali ckt I	IntraState	22/04/2018	11.01	22/04/2018	12.17	HT	Line Maintenance work
Pophali - Kdph	IntraState	22/04/2018	12.35	22/04/2018	13.35	T	Distance Protection
Satana-Gangapur	IntraState	22/04/2018	14.20	22/04/2018	14.48	T	Distance Protection
Parli 3 (Old Gcr)-Osmanabad	IntraState	22/04/2018	18.10	22/04/2018	18.30	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(repaired and ready for commissioning)
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220/33kV 100MVA Transformer 1 @Versova R/S	IntraState	18/04/2018	17.34		Continued.	HT	Buchholz Alarm
220/132 Kv 200 MVA ICT-III @Girwali	IntraState	21/04/2018	15.27	21/04/2018	16.47	PO	to find earth leakage.
132 KV LINE Outages/Trippings							
Harangul-Jagruti sugar	IntraState	21/04/2018	06.01	21/04/2018	06.14	T	Distance Protection
Naldurg - Ujani	IntraState	21/04/2018	16.44	22/04/2018	08.37	HT	to avoid O/L.
Narsi - Degloor	IntraState	22/04/2018	16.25	22/04/2018	16.31	HT	cable from ct to MB control panel break and y & BPH current not seen.

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