

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Apr/2017 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	136.616	3212.626	1) Gujrat	-2.258	16.663
2) Hydro	16.801	365.892	2) Madhya Pradesh	12.271	232.409
3) Gas	10.630	208.704	3) Chattisgarh	6.430	111.900
Total MSPGCL	164.047	3787.222	4) Maharashtra Net	148.380	2783.668
B) 1) APML	50.618	1007.427	5) Goa (Amona)	-0.770	-13.154
2) JSWEL	23.925	441.171	Total	164.053	3131.486
3) VIPL	7.202	217.320	a) Mumbai Schedule	27.184	536.428
4) RPL(AMT)	9.448	454.256	b) Mumbai Drawl	29.064	589.167
5) WPCL	1.738	75.517	c) MSEDCL Bilateral *	48.115	730.485
6) PGPL	0.000	0.000	Include PX	22.367	90.294
7) Other IPP	3.478	78.128	d) Mumbai Bilateral *	27.184	536.428
C) 1) TPCL Thermal	16.941	334.832	Include PX	10.354	132.722
2) TPCL Hydro	4.458	81.576	Include Standby	0.000	0.000
3) TPCL Gas	4.416	94.436	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	12.114	241.156	1) MSEDCL	418.446	8946.825
D) STATE			2) Mumbai Discoms	66.993	1341.170
1) Thermal	262.080	6062.433	TOTAL STATE	485.439	10287.995
(A1+C1+C4+(B1-B6))					
2) Hydro	21.259	447.468			
(A2+C2)					
3) Gas	15.046	303.140			
(A3+B6+C3)					
4) Wind	21.304	310.650			
6) SOLAR	1.697	32.815			
TOTAL STATE	321.386	7156.506			

* 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 21 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5602	5732	5534	5677
MSPGCL Hydro	1149	1075	1026	909
MSPGCL Gas	428	426	446	452
MSPGCL Total Generation	7179	7233	7006	7038
Central Sector Receipt	7765	7989	5750	5830
WIND	591	562	996	961
CPP / IPP Thermal	3902	3897	4175	4016
CPP / IPP Gas	0	0	0	0
SOLAR	235	224	0	0
Exchange with Mumbai	-1577	-1647	-1152	-771
MSEDCL DEMAND MET	18095	18258	16775	17074
Load Shedding	0	0	0	0
MSEDCL DEMAND	18095	18258	16775	17074
TPCL GENERATION	1238	1163	1250	911
R-INFRA GENERATION	505	505	506	505
MUMBAI DEMAND	3320	3315	2908	2187
STATE DEMAND MET	21415	21573	19683	19261
STATE DEMAND	21415	21573	19683	19261
Frequency (Hz)	49.95	49.97	49.90	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 07.02 Hrs	49.68 Hz at 14.46 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/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	4.04	73.23	175	160
Unit 8	0.00	248.11	0	0
Unit 9	11.40	246.22	628	0
Unit 10	2.87	89.46	435	0
Total	18.31	657.02		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.15	85.08	185	170
Unit 4	9.64	201.41	500	350
Unit 5	9.87	202.60	500	350
Total	23.66	489.10		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.76	122.53	250	205
Unit 7	5.80	97.62	252	209
Unit 8	4.67	19.73	240	130
Total	16.22	239.88		
Chandrapur				
Unit 3	3.74	91.49	197	0
Unit 4	4.61	98.12	195	189
Unit 5	6.53	179.68	450	0
Unit 6	9.55	208.41	430	172
Unit 7	0.00	0.00	0	0
Unit 8	9.96	181.64	473	347
Unit 9	0.00	147.02	0	0
Total	34.38	906.36		
Paras				
Unit 3	0.00	95.90	0	0
Unit 4	5.92	108.28	257	200
Total	5.92	204.19		
Khaparkheda				
Unit 1	4.37	85.89	185	175
Unit 2	4.02	86.44	185	145
Unit 3	4.66	90.96	200	161
Unit 4	4.52	79.51	190	185
Unit 5	11.05	191.79	500	425
Total	28.62	534.60		
Nasik				
Unit 3	0.00	36.00	0	0
Unit 4	4.77	54.36	204	185
Unit 5	4.73	91.12	202	192
Total	9.50	181.48		
Uran				
All Units	10.63	208.70	454	423
Total	10.63	208.70		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.20	1.61	43	0
Total	0.20	1.61		
Koyna				
Stage 1-2	3.78	106.82	430	40
Stage 4	7.30	138.39	995	0
Stage 3	2.98	54.88	320	0
Total	14.05	300.10		
Hydro				
KDPH	0.70	12.60	30	29
VTRNA	0.61	11.25	61	0
TILLARI	0.00	2.41	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.26	4.41	80	0
RNGR+BHTSA	0.31	5.84	13	12
BHANDARDRA	0.49	10.56	21	20
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.38	9.95	24	13
GHATGHAR	0.00	8.78	0	0
Total	2.75	65.80		
Wind				
Total	21.30	310.65	0	0
Total	21.30	310.65		
CPP				
APML(Mus)	50.62	1007.43	0	0
JSWEL(Mus)	23.92	441.17	0	0
VIPL(Mus)	7.20	217.32	0	0
RPLAMT(Mus)	9.45	454.26	0	0
WPCL(Mus)	1.74	75.52	0	0
Other(Mus)	3.48	78.13	0	0
Total	96.41	2273.82		
SOLAR				
Total	1.70	32.82	0	0
Total	1.70	32.82		
Tata				
Trombay 5	11.16	220.01	486	377
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.84	60.76	122	101
Trombay 7B	1.58	33.68	67	61
Trombay 8	5.78	114.82	249	201
TATA Hydro	4.46	81.58	459	0
Total	25.82	510.84		
R-INFRA				
DTPS U-1&2	12.11	241.16	507	502
Total	12.11	241.16		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	136.62	3212.63	MSPGCL Total	164.05	3787.22
			MSPGCL Thml+Gas	147.25	3421.33	Koyna 1,2 & 4 Total	11.08	245.21
			MSPGCL Hydro	16.80	365.89	State Total	321.39	7156.51

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/Apr/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	5216	1822	450	7488	1123	4198	0	0	5962	6107	-987	17929	10	17939	2656	20595	49.91
2	5358	1553	451	7362	1122	4057	0	0	6034	6068	-973	17636	10	17646	2425	20071	49.95
3	5576	1092	452	7120	1050	4013	0	0	6070	6135	-851	17467	0	17467	2263	19730	49.97
4	5677	909	452	7038	961	4016	0	0	5808	5830	-771	17074	0	17074	2187	19261	49.96
5	5832	693	452	6977	966	4047	0	0	5783	5959	-687	17262	0	17262	2098	19360	49.88
6	5965	413	452	6830	983	4016	0	0	6783	6624	-722	17731	0	17731	2136	19867	49.96
7	6050	286	452	6788	878	4011	0	10	7028	7098	-789	17996	0	17996	2175	20171	49.97
8	5941	316	451	6708	741	4003	0	46	7273	7183	-901	17780	0	17780	2296	20076	49.99
9	5880	278	454	6612	561	4032	0	117	7260	7452	-1121	17653	0	17653	2535	20188	49.97
10	5773	479	437	6689	492	4027	0	175	7498	7451	-1334	17500	0	17500	2938	20438	50.00
11	5595	531	452	6578	547	4006	0	199	7812	7760	-1552	17538	0	17538	3251	20789	49.95
12	5602	1149	428	7179	591	3902	0	235	7859	7765	-1577	18095	0	18095	3320	21415	49.95
13	5732	1075	426	7233	562	3897	0	224	8016	7989	-1647	18258	0	18258	3315	21573	49.97
14	5790	514	425	6729	693	3877	0	217	8068	7809	-1529	17796	0	17796	3197	20993	50.00
15	5821	456	423	6700	725	3864	0	193	8044	7586	-1496	17572	191	17763	3261	21024	49.88
16	5799	461	437	6697	793	3850	0	147	7919	7953	-1474	17966	0	17966	3330	21296	49.94
17	5784	456	431	6671	922	3850	0	95	7896	7876	-1547	17867	0	17867	3271	21138	49.99
18	5419	156	432	6007	1080	3843	0	36	7652	7391	-1743	16614	0	16614	3163	19777	49.97
19	5215	195	451	5861	1143	3980	0	3	6594	6468	-1540	15915	0	15915	2986	18901	49.99
20	5367	1102	445	6914	1090	4122	0	0	5865	5639	-1210	16555	0	16555	3001	19556	49.91
21	5534	1026	446	7006	996	4175	0	0	5626	5750	-1152	16775	0	16775	2908	19683	49.90
22	5824	826	446	7096	1012	4192	0	0	5656	5631	-1116	16815	0	16815	2768	19583	49.91
23	5901	445	439	6785	1124	4218	0	0	6169	6024	-1151	17000	0	17000	2757	19757	49.93
24	5965	568	446	6979	1149	4213	0	0	6296	6505	-1194	17652	0	17652	2756	20408	49.98
MUs	136.62	16.80	10.63	164.05	21.30	96.41	0.00	1.70	164.97	164.05	-29.06	418.45	0.21	418.66	66.99	485.65	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/2017

Position as on 6.30 Hrs of 22/Apr/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,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
MSPGCL	Chandrapur Unit 7	500	25/01/2017	19.32		Continued.	Turbine Problem, continued under COH	
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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
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.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
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.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
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	Nasik Unit 3	210	09/04/2017	15.50		Continued.	tripped on boiler feed pump problem and continued under zero schedule by MSEDCL	
IPP	VIPL U-1	300	13/04/2017	03.34		Continued.	Boiler Tube Leakage	
IPP	RPL(AMT) U-5	270	15/04/2017	08.59		Continued.	Coal Shortage	
IPP	RPL(AMT) U-4	270	15/04/2017	12.08		Continued.	Coal Shortage	
CPP	SWPGL U-3	135	16/04/2017	00.01		Continued.	Ash Handling Problem.	
MSPGCL	Chandrapur Unit 9	500	16/04/2017	20.10		Continued.	Air preheater problem.	
MSPGCL	Paras Unit 3	250	17/04/2017	07.12		Continued.	Turbine bearing Vabration high	
IPP	Adani U-1	660	18/04/2017	13.12		Continued.	Due to coal shortage.	
MSPGCL	Koradi Unit 10	660	19/04/2017	13.10	21/04/2017	00.39	wsdt level high.	
IPP	RPL(AMT) U-3	270	19/04/2017	19.30		Continued.	Coal Shortage	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Apr/2017

Position as on 6.30 Hrs of 22/Apr/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koradi Unit-8	660	20/04/2017	13.34		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 5	500	20/04/2017	17.01	21/04/2017	06.50	Due to Bus Bar Protection Operated.	
MSPGCL	Chandrapur Unit 3	210	20/04/2017	17.01	21/04/2017	02.16	Due to Bus Bar Protection Operated.	
MSPGCL	Koradi Unit 10	660	21/04/2017	06.10	21/04/2017	17.16	Tripped Turbine Bearing NO2 caught Fire	
CPP	SWPGL U-4	135	21/04/2017	10.55	21/04/2017	18.31	Islanded from Grid	
MSPGCL	Koradi Unit 9	660	21/04/2017	17.12	21/04/2017	19.47	Flame Failure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Apr/2017

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2017

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							
Dhule Sar'Sarovar I	InterState	20/04/2017	20.07	21/04/2017	06.47	HT	Over Voltage
Dabhol Nagothane II	InterState	21/04/2017	14.20	21/04/2017	17.36	T	Distance Protection
Kolhapur Solapur (PG) II	InterState	21/04/2017	14.24		Continued.	T	Main Bus-I Tripped due to Heavy Sparking on Line Isolator at Kolhapur
Dhule Sar'Sarovar II	InterState	21/04/2017	18.48		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	20/04/2017	20.39	21/04/2017	06.17	HT	Over Voltage
Koradi 2-IEPL	IntraState	21/04/2017	08.42	21/04/2017	19.17	PO	Line Maintenance work
Karad-Jaigad - I	IntraState	21/04/2017	08.43		Continued.	PO	Cold washing work(RFC 17.22Hrs)
Parly(MS)- Nanded ckt I	IntraState	21/04/2017	13.28	21/04/2017	17.15	PO	Testing Work
Alkud-Kolhapur(Talandage)	IntraState	21/04/2017	14.24	21/04/2017	15.11	T	Main Bus-I Tripped
karad -kolhapur-I	IntraState	21/04/2017	14.24	21/04/2017	14.54	T	Main Bus-I Tripped
Bhusawal-Aurangabad	IntraState	21/04/2017	18.22	22/04/2017	06.29	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 KV 500 MVA ICT- II @Warora	IntraState	27/03/2017	12.58		Continued.	PO	Dismantling Work And Will Be Transport At Padgha.
400/220 Kv 315 Mva ICT -I @Padghe	IntraState	21/04/2017	02.30	21/04/2017	07.50	PO	C T Replacement Work.
400/220kv 315 MVA ICT I @ Kolhapur	IntraState	21/04/2017	14.24	21/04/2017	14.54	T	Main Bus-I Tripped
400/220kv 315MVA ICT 2 @ Kolhapur	IntraState	21/04/2017	14.24	21/04/2017	14.54	T	Main Bus-I Tripped
400/220kv 315 Mva ICT I @Karad	IntraState	21/04/2017	18.09	21/04/2017	20.14	PO	LTS Scheme commissioning work
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	21/04/2017	09.38	21/04/2017	18.00	PO	Tree Cutting and Bay Maint.work
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer 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 jumer at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Ghodbunder MSETCL Boisar line	IntraState	20/04/2017	09.07		Continued.	PO	Stringing of Conductor.
Siemens - Mahape	IntraState	21/04/2017	08.37		Continued.	PO	Reliance GIS gantry Erection work
Mumewadi -Halkarni II	IntraState	21/04/2017	09.23	21/04/2017	14.49	PO	LA Replacement
Bhaveghar - Kolshet	IntraState	21/04/2017	09.54	21/04/2017	14.56	EO	To attend Hot Spot
Kandalgaon - ONGC Panvel	IntraState	21/04/2017	10.15	21/04/2017	18.05	PO	Repair Sleeve work
Hinganghat - Bhugaon	IntraState	21/04/2017	10.36	21/04/2017	11.22	T	Distance Protection
Warora - Wardha	IntraState	21/04/2017	10.43	21/04/2017	12.12	T	Distance Protection
Washala - Ghatghar	IntraState	21/04/2017	11.20	21/04/2017	13.00	PO	Routine Maintenance Work
Bhugaon-WardhaPG (Deoli)	IntraState	21/04/2017	13.30	21/04/2017	18.13	EO	To attend Hot Spot
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)
220/132 Kv 200 Mva Cgl Ict 1 @Boisar-Ii	IntraState	21/04/2017	10.00	21/04/2017	19.47	PO	Painting work
220/110 Kv 200 Mva Vel Ptr 1 @Kolhapur-Ii (Mudshingi)	IntraState	21/04/2017	11.52	21/04/2017	18.35	PO	Testing Work
220/100 Kv 200 Mva Vijai Ict 3 @Trombay	IntraState	21/04/2017	14.17	21/04/2017	18.05	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							

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/2017

Statement-VII

Position as on 6.30 Hrs of 22/Apr/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Amravati-Morshi	IntraState	21/04/2017	09.48	21/04/2017	09.53	T	Distance Protection
Talegaon-Tiwasa	IntraState	21/04/2017	13.35	21/04/2017	13.58	T	Distance Protection
Arvi-Pulgaon 2	IntraState	21/04/2017	17.34	21/04/2017	22.49	T	Distance Protection