

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Jul/2017 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	93.374	2051.626	1) Gujrat	-0.972	12.765
2) Hydro	6.675	130.974	2) Madhya Pradesh	13.359	340.338
3) Gas	9.200	172.284	3) Chattisgarh	7.570	159.030
Total MSPGCL	109.249	2354.884	4) Maharashtra Net	82.787	1786.522
B) 1) APML	47.293	1169.796	5) Goa (Amona)	-0.440	-8.822
2) JSWEL	13.838	253.324	Total	102.304	2289.833
3) VIPL	5.313	121.568	a) Mumbai Schedule	18.745	428.311
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	26.840	555.254
5) WPCL	1.403	57.460	c) MSEDCL Bilateral *	14.475	408.621
6) PGPL	0.000	0.000	Include PX	-3.198	41.148
7) Other IPP	3.301	59.662	d) Mumbai Bilateral *	18.745	428.311
C) 1) TPCL Thermal	12.484	269.426	Include PX	4.665	133.477
2) TPCL Hydro	5.549	90.630	Include Standby	0.000	0.000
3) TPCL Gas	4.383	74.982	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.248	204.571	1) MSEDCL	304.046	6667.888
D) STATE			2) Mumbai Discoms	58.499	1194.855
1) Thermal	186.254	4187.433	TOTAL STATE	362.545	7862.743
(A1+C1+C4+(B1-B6))					
2) Hydro	12.224	221.604			
(A2+C2)					
3) Gas	13.583	247.266			
(A3+B6+C3)					
4) Wind	46.833	882.954			
6) SOLAR	1.352	33.661			
TOTAL STATE	260.246	5572.918			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3907	3837	4069	3880
MSPGCL Hydro	441	285	432	72
MSPGCL Gas	378	388	389	381
MSPGCL Total Generation	4726	4510	4890	4333
Central Sector Receipt	4953	4495	4463	3351
WIND	1941	2068	2073	1747
CPP / IPP Thermal	3100	2818	3393	2718
CPP / IPP Gas	0	0	0	0
SOLAR	124	156	0	0
Exchange with Mumbai	-1362	-1535	-1208	-641
MSEDCL DEMAND MET	13482	12512	13611	11509
Load Shedding	0	0	0	0
MSEDCL DEMAND	13482	12512	13611	11509
TPCL GENERATION	1063	1044	1110	680
R-INFRA GENERATION	384	384	386	385
MUMBAI DEMAND	2809	2963	2704	1706
STATE DEMAND MET	16291	15475	16315	13215
STATE DEMAND	16291	15475	16315	13215
Frequency (Hz)	50.01	50.00	49.97	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 09.01 Hrs	49.82 Hz at 21.03 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 20/Jul/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	0.00	0.00	0	0
Unit 8	8.30	182.86	460	300
Unit 9	7.44	177.22	372	270
Unit 10	11.08	186.54	550	385
Total	26.82	546.63		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	0.00	52.33	0	0
Unit 5	0.00	22.97	0	0
Total	0.00	75.29		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	4.12	86.41	180	164
Unit 5	7.83	179.84	343	310
Unit 6	8.67	189.79	390	345
Unit 7	9.06	192.88	437	349
Unit 8	7.21	176.12	350	237
Unit 9	7.31	187.76	334	252
Total	44.19	1012.80		
Paras				
Unit 3	4.76	102.58	221	188
Unit 4	4.56	15.24	205	182
Total	9.31	117.82		
Khaparkheda				
Unit 1	0.00	13.54	0	0
Unit 2	0.00	0.00	0	0
Unit 3	0.00	16.68	0	0
Unit 4	0.00	21.01	0	0
Unit 5	9.11	104.99	500	360
Total	9.11	156.23		
Nasik				
Unit 3	3.94	42.34	180	160
Unit 4	0.00	41.20	0	0
Unit 5	0.00	59.31	0	0
Total	3.94	142.84		
Uran				
All Units	9.20	172.28	395	365
Total	9.20	172.28		
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)	0.03	3.04	26	0
Total	0.03	3.04		
Koyna				
Stage 1-2	1.94	53.56	470	40
Stage 4	0.04	19.96	30	0
Stage 3	2.70	30.52	160	0
Total	4.68	104.05		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.26	1.89	60	0
TILLARI	0.25	3.45	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.46	8.36	80	0
RNGR+BHTSA	0.06	0.09	3	2
BHANDARDRA	0.72	7.08	38	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.23	1.18	10	9
GHATGHAR	0.00	4.87	0	0
Total	1.99	26.92		
Wind				
Total	46.83	882.95	0	0
Total	46.83	882.95		
CPP				
APML(Mus)	47.29	1169.80	0	0
JSWEL(Mus)	13.84	253.32	0	0
VIPL(Mus)	5.31	121.57	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	1.40	57.46	0	0
Other(Mus)	3.30	59.66	0	0
Total	71.15	1661.81		
SOLAR				
Total	1.35	33.66	0	0
Total	1.35	33.66		
Tata				
Trombay 5	7.62	174.45	403	298
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.83	47.04	122	104
Trombay 7B	1.55	27.94	67	60
Trombay 8	4.87	94.98	231	199
TATA Hydro	5.55	90.63	387	0
Total	22.42	435.04		
R-INFRA				
DTPS U-1&2	9.25	204.57	387	384
Total	9.25	204.57		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	93.37	2051.63	MSPGCL Total	109.25	2354.88
			MSPGCL Thml+Gas	102.57	2223.91	Koyna 1,2 & 4 Total	1.98	73.53
			MSPGCL Hydro	6.68	130.97	State Total	260.25	5572.92

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/Jul/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	3829	166	383	4378	1949	2958	0	0	3812	3708	-857	12136	0	12136	2000	14136	50.02
2	3826	172	395	4393	1822	2749	0	0	3492	3507	-724	11747	0	11747	1844	13591	50.01
3	3872	114	394	4380	1824	2718	0	0	3409	3586	-681	11828	0	11828	1758	13586	50.02
4	3880	72	381	4333	1747	2718	0	0	3119	3351	-641	11509	0	11509	1706	13215	50.03
5	3880	67	392	4339	1804	2738	0	0	3587	3857	-616	12122	0	12122	1704	13826	50.04
6	3887	93	381	4361	1737	2772	0	0	4223	4276	-651	12495	0	12495	1794	14289	50.03
7	3851	655	378	4884	1700	2811	0	3	4486	4982	-812	13568	0	13568	2000	15568	49.97
8	3885	321	379	4585	1828	2875	0	30	4787	5318	-894	13742	0	13742	2144	15886	50.03
9	3915	440	389	4744	1769	2982	0	71	4983	5312	-1239	13639	0	13639	2549	16188	50.07
10	3907	441	378	4726	1941	3100	0	124	4875	4953	-1362	13482	0	13482	2809	16291	50.01
11	3896	366	381	4643	1982	2948	0	137	5079	5036	-1568	13177	0	13177	3017	16194	49.99
12	3809	304	381	4494	1884	2850	0	181	4886	5069	-1572	12906	0	12906	3020	15926	50.00
13	3837	285	388	4510	2068	2818	0	156	4594	4495	-1535	12512	0	12512	2963	15475	50.00
14	3879	215	387	4481	2220	2790	0	172	4520	4083	-1456	12290	0	12290	2815	15105	50.04
15	3877	208	365	4450	2246	2784	0	150	4123	3919	-1458	12091	0	12091	2858	14949	49.99
16	3884	228	387	4499	2306	2810	0	146	4049	4032	-1408	12385	0	12385	2828	15213	50.01
17	3845	227	379	4451	2241	2791	0	116	3828	4150	-1377	12373	0	12373	2813	15186	49.98
18	3759	507	390	4656	2264	2792	0	57	3552	3904	-1352	12321	0	12321	2776	15097	50.01
19	3789	452	368	4609	2056	2949	0	9	4302	4515	-1279	12859	0	12859	2719	15578	50.00
20	4069	432	389	4890	2073	3393	0	0	4493	4463	-1208	13611	0	13611	2704	16315	49.97
21	4092	283	378	4753	1824	3689	0	0	4407	4333	-1051	13548	0	13548	2608	16156	49.93
22	4122	196	382	4700	1806	3704	0	0	4107	3677	-1080	12807	0	12807	2498	15305	49.99
23	3930	168	382	4480	1868	3367	0	0	3938	3969	-1074	12610	0	12610	2342	14952	50.00
24	3854	263	393	4510	1874	3038	0	0	3543	3810	-945	12287	0	12287	2235	14522	49.98
MUs	93.37	6.68	9.20	109.25	46.83	71.15	0.00	1.35	100.19	102.30	-26.84	304.05	0.00	304.05	58.50	362.55	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 20/Jul/2017

Position as on 6.30 Hrs of 21/Jul/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.	
CENT.SECTOR	TARAPUR 4	540	23/04/2017	19:55		Continued.	Annual Maintenance	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Chandrapur Unit 3	210	05/06/2017	23.24		Continued.	AOH.	
MSPGCL	Khaparkhedda Unit 2	210	14/06/2017	23.16		Continued.	Annual Overhaul	
MSPGCL	Koradi Unit 7	210	21/06/2017	01.24		Continued.	COH.	
IPP	JSW (J) U4	300	04/07/2017	20.41		Continued.	Annual Overhaul	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
IPP	Adani U-3	660	14/07/2017	23.48		Continued.	Annual Overhaul	
CPP	SWPGL U-4	135	19/07/2017	03.50		Continued.	ID Fan Problem	
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	
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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	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	
IPP	RPL(AMT) U-1	270	24/05/2017	03.27		Continued.	Flame Failure(converted to Zero Schedule from 00.00Hrs DT.13th Jun 17)	
IPP	JSW (J) U2	300	31/05/2017	23.58		Continued.	NO SCHEDULE.	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	RPL(AMT) U-3	270	05/06/2017	14.31		Continued.	swapping with unit-5(converted to Zero Schedule from 00.00Hrs DT.15th Jun 17)	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Jul/2017

Position as on 6.30 Hrs of 21/Jul/2017

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	09/06/2017	00.20		Continued.	Zero Schedule by MSEDCL	
IPP	RPL(AMT) U-5	270	09/06/2017	01.39		Continued.	Zero Schedule by MSEDCL	
IPP	RPL(AMT) U-2	270	09/06/2017	04.24		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Parli Unit 7	250	13/06/2017	00.04		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 3	210	13/06/2017	06.01		Continued.	Zero Schedule By MSEDCL	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 6	250	14/06/2017	00.02		Continued.	Zero schedule by MSEDCL.	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Nasik Unit 4	210	10/07/2017	14.28		Continued.	Boiler validity extention.	
MSPGCL	Khaparkheda Unit 1	210	11/07/2017	23.53		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Khaparkheda Unit 3	210	12/07/2017	08.40		Continued.	Boiler Tube Leakage. on date 13.07.2017 converted to zero schedule.	
MSPGCL	Khaparkheda Unit 4	210	13/07/2017	03.36		Continued.	Drum level low. on Dated 14.07.2017 converted to zero schedule.	
MSPGCL	Bhusawal Unit 5	500	15/07/2017	05.59		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koyana Unit 10	80	15/07/2017	19.15		Continued.	Tripped due to GT Got Fire	
MSPGCL	Nasik Unit 5	210	16/07/2017	00.00		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 4	500	17/07/2017	23.46		Continued.	Zero Schedule By MSEDCL	
CPP	SWPGL U-3	135	20/07/2017	02.03	20/07/2017	04.49	wet coal.	
CPP	SWPGL U-3	135	20/07/2017	23.01	21/07/2017	00.07	wet coal.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 20/Jul/2017

Statement-VII

Position as on 6.30 Hrs of 21/Jul/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400KV 1500MVA ICT II @ Ektuni	IntraState	20/07/2017	11.53	20/07/2017	18.39	PO	isolator alignment work.
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	12/07/2017	20.45		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	08/07/2017	21.48		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	12/07/2017	18.11		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	13/07/2017	18.27	20/07/2017	08.51	HT	Over Voltage
Ektuni-Bableshtar ckt II	IntraState	16/07/2017	16.05		Continued.	HT	hand tripped to control load
karad -kolhapur-I	IntraState	20/07/2017	09.38		Continued.	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	20/07/2017	09.50		Continued.	PO	Routine Maintenance Work
Padghe - Kalwa- I	IntraState	20/07/2017	11.23	20/07/2017	15.44	PO	heavy sparking on bus isolator at padghe end shifted on tbc.
Karad - Lonikand 1	IntraState	20/07/2017	14.26	20/07/2017	16.54	EO	Attending Hot Spot
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-I@Parly	IntraState	05/07/2017	16.42		Continued.	PO	replacement of r-ph unit with overhauled unit.
400/220KV 500MVA ICT1@koradi 2	IntraState	19/07/2017	10.34	20/07/2017	19.53	PO	daignostic testing.
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.
Mahalakshmi Amona	InterState	20/07/2017	13.30	20/07/2017	13.47	T	tripped at amona end only.
Tillari Amona	InterState	20/07/2017	13.30	20/07/2017	14.23	T	tripped at amona end only.
Mahalakshmi Amona	InterState	20/07/2017	19.45	20/07/2017	19.58	T	tripped at amona end only.
Tillari Amona	InterState	20/07/2017	19.45		Continued.	T	tripped at amona end only.
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.
Kharghar-Borivali ckt II	IntraState	07/06/2017	12.23		Continued.	T	Distance Protection
Vita - Mhaishal	IntraState	01/07/2017	14.19		Continued.	PO	Bunching Work
Vita - Miraj	IntraState	01/07/2017	14.53		Continued.	PO	bunching work.
Malharpeth - Karad(400kv)	IntraState	20/07/2017	05.31	20/07/2017	06.20	T	Distance Protection
Pophli Pedhmbe Line- 1	IntraState	20/07/2017	06.55		Continued.	T	tripped on o/c.
Kalwa - Siemens	IntraState	20/07/2017	10.00	20/07/2017	16.18	PO	construction work.
Dhule-Amalner(220kv)	IntraState	20/07/2017	11.20	20/07/2017	18.10	PO	isolator maintenance work.
220kv Halkarni- Tillary	IntraState	20/07/2017	13.30	20/07/2017	13.50	T	Distance Protection
220kv Halkarni- Tillary	IntraState	20/07/2017	19.45	20/07/2017	20.00	T	Distance Protection
Halkarni-Mahalaxmiline	IntraState	21/07/2017	00.05	21/07/2017	00.25	T	Backup Protection
Nashik-Padgha	IntraState	21/07/2017	05.05		Continued.	HT	to control load at nashik.
Eklahara(Gcr)(Nasik)- Bableshtar 2	IntraState	21/07/2017	05.12		Continued.	EO	Attending Hot Spot
Halkarni-Mahalaxmiline	IntraState	21/07/2017	05.20		Continued.	T	Backup 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(Now repaired and ready for

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 20/Jul/2017

Statement-VII

Position as on 6.30 Hrs of 21/Jul/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							commissioning)
220/22 Kv 50 Mva Ptr 2 @Lonikand	IntraState	20/07/2017	09.15	20/07/2017	14.55	PO	Routine Maintenance Work
220/132 Kv 200 Mva Bbl Ict 4 @Padegaon	IntraState	20/07/2017	09.20	20/07/2017	21.16	PO	replacement of hv ct due to high tan delta.
220/33kv 100mva Transformer 1 @Versova R/S	IntraState	20/07/2017	09.29	20/07/2017	19.52	PO	isolator maintenance work.
220/132 Kv 100 Mva T&R Ict-2 @Bambhori	IntraState	20/07/2017	09.47	20/07/2017	12.30	PO	Routine Maintenance Work
132 KV LINE Outages/Trippings							
Waghala (Nanded2) - Umri 1	IntraState	20/07/2017	20.25	20/07/2017	20.44	T	Distance Protection