

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	96.233	2147.859	1) Gujrat	-1.580	11.185
2) Hydro	6.664	137.638	2) Madhya Pradesh	12.636	352.974
3) Gas	9.209	181.493	3) Chattisgarh	7.180	166.210
Total MSPGCL	112.106	2466.990	4) Maharashtra Net	68.017	1854.539
B) 1) APML	47.352	1217.148	5) Goa (Amona)	-0.440	-9.262
2) JSWEL	13.280	266.604	Total	85.813	2375.646
3) VIPL	5.069	126.637	a) Mumbai Schedule	19.636	447.948
4) RPL(AMT)	0.000	0.000	b) Mumbai Drawl	27.679	582.933
5) WPCL	1.955	59.415	c) MSEDCL Bilateral *	12.745	421.366
6) PGPL	0.000	0.000	Include PX	-4.600	36.548
7) Other IPP	3.401	63.063	d) Mumbai Bilateral *	19.636	447.948
C) 1) TPCL Thermal	12.240	281.666	Include PX	5.648	139.125
2) TPCL Hydro	5.681	96.311	Include Standby	0.000	0.000
3) TPCL Gas	4.056	79.038	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.240	213.811	1) MSEDCL	296.935	6964.823
D) STATE			2) Mumbai Discoms	58.897	1253.752
1) Thermal	188.770	4376.203	TOTAL STATE	355.832	8218.575
(A1+C1+C4+(B1-B6))					
2) Hydro	12.345	233.949			
(A2+C2)					
3) Gas	13.265	260.531			
(A3+B6+C3)					
4) Wind	53.931	936.885			
6) SOLAR	1.707	35.368			
TOTAL STATE	270.018	5842.936			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 9 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4244	4190	3922	3872
MSPGCL Hydro	556	223	232	143
MSPGCL Gas	383	388	380	391
MSPGCL Total Generation	5183	4801	4534	4406
Central Sector Receipt	4109	3425	4351	3247
WIND	2136	2291	2429	1871
CPP / IPP Thermal	3054	2811	3281	2725
CPP / IPP Gas	0	0	0	0
SOLAR	112	209	0	0
Exchange with Mumbai	-1348	-1587	-1141	-646
MSEDCL DEMAND MET	13246	11950	13454	11603
Load Shedding	0	0	0	0
MSEDCL DEMAND	13246	11950	13454	11603
TPCL GENERATION	847	1053	1130	659
R-INFRA GENERATION	384	385	385	385
MUMBAI DEMAND	2579	3025	2656	1690
STATE DEMAND MET	15825	14975	16110	13293
STATE DEMAND	15825	14975	16110	13293
Frequency (Hz)	50.01	50.01	49.94	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 18.03 Hrs	49.78 Hz at 20.15 Hrs	49.99	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/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	8.62	191.48	460	294
Unit 9	8.43	185.66	395	251
Unit 10	12.77	199.32	630	450
Total	29.82	576.45		
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	4.05	90.46	175	165
Unit 5	7.15	186.99	310	285
Unit 6	8.88	198.67	400	350
Unit 7	9.29	202.17	431	367
Unit 8	7.43	183.55	364	235
Unit 9	7.28	195.04	362	208
Total	44.08	1056.88		
Paras				
Unit 3	4.75	107.34	230	188
Unit 4	4.58	19.82	210	185
Total	9.33	127.16		
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	8.94	113.93	470	360
Total	8.94	165.17		
Nasik				
Unit 3	4.07	46.40	195	160
Unit 4	0.00	41.20	0	0
Unit 5	0.00	59.31	0	0
Total	4.07	146.91		
Uran				
All Units	9.21	181.49	393	370
Total	9.21	181.49		
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)	0.09	3.12	24	0
Total	0.09	3.12		
Koyna				
Stage 1-2	1.98	55.54	305	40
Stage 4	0.10	20.07	104	0
Stage 3	1.79	32.32	160	0
Total	3.88	107.93		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.20	2.09	61	0
TILLARI	0.40	3.85	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.44	8.80	80	0
RNGR+BHTSA	0.08	0.17	4	3
BHANDARDRA	0.86	7.94	36	35
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.24	1.43	11	10
GHATGHAR	0.56	5.44	155	0
Total	2.79	29.71		
Wind				
Total	53.93	936.88	0	0
Total	53.93	936.88		
CPP				
APML(Mus)	47.35	1217.15	0	0
JSWEL(Mus)	13.28	266.60	0	0
VIPL(Mus)	5.07	126.64	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	1.96	59.42	0	0
Other(Mus)	3.40	63.06	0	0
Total	71.06	1732.87		
SOLAR				
Total	1.71	35.37	0	0
Total	1.71	35.37		
Tata				
Trombay 5	7.40	181.85	318	303
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.60	49.64	122	38
Trombay 7B	1.46	29.40	67	7
Trombay 8	4.84	99.81	204	200
TATA Hydro	5.68	96.31	437	6
Total	21.98	457.02		
R-INFRA				
DTPS U-1&2	9.24	213.81	386	384
Total	9.24	213.81		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	96.23	2147.86	MSPGCL Total	112.11	2466.99
			MSPGCL Thml+Gas	105.44	2329.35	Koyna 1,2 & 4 Total	2.08	75.61
			MSPGCL Hydro	6.66	137.64	State Total	270.02	5842.94

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	3921	166	383	4470	2000	2856	0	0	3889	3783	-822	12287	0	12287	1978	14265	49.99
2	3861	91	391	4343	1988	2751	0	0	3525	3514	-728	11868	0	11868	1832	13700	49.96
3	3841	101	372	4314	1936	2744	0	0	3278	3451	-669	11776	0	11776	1746	13522	50.00
4	3872	143	391	4406	1871	2725	0	0	3198	3247	-646	11603	0	11603	1690	13293	50.00
5	3860	142	380	4382	1891	2723	0	0	3497	3373	-615	11754	0	11754	1694	13448	49.99
6	3893	272	390	4555	1997	2760	0	0	4032	3936	-662	12586	0	12586	1802	14388	49.98
7	4057	260	382	4699	1891	3031	0	11	4488	4604	-858	13378	0	13378	2010	15388	50.00
8	4388	301	381	5070	1996	3461	0	68	4607	4169	-1019	13744	0	13744	2175	15919	50.05
9	4244	556	383	5183	2136	3054	0	112	4068	4109	-1348	13246	0	13246	2579	15825	50.01
10	4176	336	393	4905	2242	2818	0	123	4057	4168	-1382	12874	0	12874	2788	15662	50.02
11	4201	276	389	4866	2293	2799	0	195	4149	3940	-1602	12491	0	12491	3050	15541	50.02
12	4209	280	370	4859	2244	2802	0	166	3788	3812	-1640	12243	0	12243	3084	15327	49.99
13	4190	223	388	4801	2291	2811	0	209	3627	3425	-1587	11950	0	11950	3025	14975	50.01
14	4136	230	376	4742	2459	2811	0	220	3092	2788	-1454	11566	0	11566	2879	14445	50.00
15	4032	229	377	4638	2606	2801	0	214	2838	2712	-1475	11497	0	11497	2900	14397	49.95
16	4015	259	379	4653	2661	2805	0	186	2771	2783	-1441	11647	0	11647	2884	14531	50.00
17	4031	389	381	4801	2698	2799	0	146	2393	2737	-1449	11732	0	11732	2866	14598	49.99
18	3961	474	390	4825	2546	2800	0	50	2636	2844	-1367	11698	0	11698	2816	14514	50.00
19	3893	356	382	4631	2426	2812	0	7	3806	3849	-1348	12378	0	12378	2764	15142	50.00
20	3896	621	389	4906	2392	3081	0	0	4003	4237	-1253	13363	0	13363	2744	16107	49.94
21	3922	232	380	4534	2429	3281	0	0	4257	4351	-1141	13454	0	13454	2656	16110	49.94
22	3886	279	379	4544	2398	3305	0	0	3921	3877	-1008	13116	0	13116	2414	15530	49.93
23	3897	224	390	4511	2268	3581	0	0	3444	3262	-1093	12529	0	12529	2425	14954	49.95
24	3851	224	393	4468	2272	3644	0	0	3332	2842	-1072	12155	0	12155	2095	14250	49.98
MUs	96.23	6.66	9.21	112.11	53.93	71.06	0.00	1.71	86.70	85.81	-27.68	296.93	0.00	296.93	58.90	355.83	49.99

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/Jul/2017

Position as on 6.30 Hrs of 22/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	
MSPGCL	Bhusawal Unit 5	500	15/07/2017	05.59		Continued.	Zero Schedule By MSEDCL (Converted to AOH from 00:00Hrs of 20.07.2017)	
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 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 U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	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.	

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

Position as on 6.30 Hrs of 22/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-3	270	05/06/2017	14.31		Continued.	swapping with unit-5(converted to Zero Schedule from 00.00Hrs DT.15th Jun 17)	
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.on date 12/07/2017 converted zero schedule	
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	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	23.01	21/07/2017	00.07	wet coal.	
CPP	SWPGL U-3	135	21/07/2017	03.43	21/07/2017	04.07	Wet Coal	
TPC-G	Trombay 7B	60	21/07/2017	23.20		Continued.	Gas Path Inspection and CW Tunnel repairs (For 8 Days)	
TPC-G	Trombay 7A	120	22/07/2017	02.51		Continued.	Gas Path Inspection and CW Tunnel repairs (For 8 Days)	

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

Statement-VII

Position as on 6.30 Hrs of 22/Jul/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							
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
Ektuni-Bableswhar 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	21/07/2017	07.13	PO	Routine Maintenance Work
Lonikand I - Koyna stage-IV	IntraState	21/07/2017	01.27		Continued.	HT	Over Voltage
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, 500 Mva ICT-1 @Deepnagar	IntraState	21/07/2017	08.15	21/07/2017	21.43	PO	Routine Maintenance Work
400/220kV 315MVA ICT-III @ Kharghar	IntraState	21/07/2017	15.37	21/07/2017	17.45	PO	To attend Fire prot.system
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.
Tillari Amona	InterState	20/07/2017	19.45	21/07/2017	20.26	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.
Halkarni-Mahalaxmiline	IntraState	21/07/2017	00.05	21/07/2017	00.25	T	Backup Protection
Nashik-Padgha	IntraState	21/07/2017	05.05	21/07/2017	09.23	HT	to control load at nashik.
Eklahara(Gcr)(Nasik)- Bableswhar 2	IntraState	21/07/2017	05.12	21/07/2017	09.19	EO	Attending Hot Spot
Halkarni-Mahalaxmiline	IntraState	21/07/2017	05.20	21/07/2017	16.48	T	Backup Protection
Karad - Sadawagpur I	IntraState	21/07/2017	11.07		Continued.	T	Distance Protection
Apta - Talaja	IntraState	21/07/2017	11.25	21/07/2017	14.42	PO	Routine Maintenance Work
Kharghar - Nerul	IntraState	21/07/2017	12.00	21/07/2017	14.10	T	Distance Protection
sawangi-Phulambri	IntraState	21/07/2017	12.24	21/07/2017	16.00	PO	Tan Delta Measurment of CTs
220kv Halkarni- Tillary	IntraState	21/07/2017	12.30	21/07/2017	19.52	PO	Testing Work
Apta - Hoc	IntraState	21/07/2017	15.30	21/07/2017	19.08	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 ICT-III @ Nanded	IntraState	21/07/2017	11.56	21/07/2017	13.19	PO	Attending CTR Fire System Nitrogen Leakage
220/132kV 100MVA ICT @ Parli-I	IntraState	21/07/2017	18.50	21/07/2017	21.05	PO	Abnormal sound in Y phase bushing
132 KV LINE Outages/Trippings							
Kanhan-Uppalwadi	IntraState	21/07/2017	15.06	21/07/2017	19.01	T	Distance Protection

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