

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 07/Sep/2017 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	122.018	746.322	1) Gujrat	1.545	17.213
2) Hydro	32.990	125.463	2) Madhya Pradesh	17.870	130.548
3) Gas	6.052	35.419	3) Chattisgarh	5.930	40.640
Total MSPGCL	161.060	907.204	4) Maharashtra Net	98.253	706.748
B) 1) APML	44.256	310.544	5) Goa (Amona)	-0.110	-0.572
2) JSWEL	16.451	115.989	Total	123.488	894.577
3) VIPL	7.482	52.363	a) Mumbai Schedule	22.573	141.704
4) RPL(AMT)	31.539	174.573	b) Mumbai Drawl	25.369	165.802
5) WPCL	2.948	18.119	c) MSEDCL Bilateral *	14.699	148.181
6) PGPL	0.000	0.000	Include PX	3.170	29.903
7) Other IPP	2.286	22.745	d) Mumbai Bilateral *	22.573	141.704
C) 1) TPCL Thermal	17.432	113.903	Include PX	6.110	33.027
2) TPCL Hydro	6.382	37.618	Include Standby	0.000	0.000
3) TPCL Gas	2.163	14.022	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.966	78.738	1) MSEDCL	372.509	2423.170
D) STATE			2) Mumbai Discoms	63.313	410.083
1) Thermal	256.378	1633.296	TOTAL STATE	435.822	2833.253
(A1+C1+C4+(B1-B6))					
2) Hydro	39.372	163.081			
(A2+C2)					
3) Gas	8.215	49.441			
(A3+B6+C3)					
4) Wind	6.304	78.248			
6) SOLAR	2.064	14.610			
TOTAL STATE	312.333	1938.676			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5274	5495	5294	4405
MSPGCL Hydro	1784	1833	1453	970
MSPGCL Gas	286	152	204	283
MSPGCL Total Generation	7344	7480	6951	5658
Central Sector Receipt	5844	5940	4984	4496
WIND	205	229	588	84
CPP / IPP Thermal	4392	4310	4530	4313
CPP / IPP Gas	0	0	0	0
SOLAR	274	180	0	0
Exchange with Mumbai	-1455	-1396	-1160	-567
MSEDCL DEMAND MET	16604	16743	15893	13984
Load Shedding	0	169	0	0
MSEDCL DEMAND	16604	16912	15893	13984
TPCL GENERATION	1256	1262	1279	802
R-INFRA GENERATION	498	499	494	500
MUMBAI DEMAND	3209	3157	2933	1869
STATE DEMAND MET	19813	19900	18826	15853
STATE DEMAND	19813	20069	18826	15853
Frequency (Hz)	49.89	49.91	49.90	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 13.00 Hrs	49.73 Hz at 14.18 Hrs	49.93	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 07/Sep/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	3.72	19.62	170	126
Unit 8	10.74	84.10	525	335
Unit 9	0.18	69.47	184	0
Unit 10	11.37	21.28	560	345
Total	26.01	194.46		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	8.68	43.28	460	305
Unit 5	8.74	64.78	460	305
Total	17.42	108.06		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.11	32.98	239	189
Unit 7	5.41	31.27	241	194
Unit 8	0.00	0.00	0	0
Total	10.53	64.25		
Chandrapur				
Unit 3	4.47	28.27	200	115
Unit 4	0.00	0.00	0	0
Unit 5	9.53	29.60	425	375
Unit 6	8.41	56.96	365	330
Unit 7	5.38	5.38	351	0
Unit 8	11.35	79.11	500	440
Unit 9	4.64	4.64	356	0
Total	43.76	203.95		
Paras				
Unit 3	4.40	29.89	205	162
Unit 4	4.36	29.86	200	158
Total	8.76	59.75		
Khaparkheda				
Unit 1	3.12	23.29	165	95
Unit 2	2.66	24.10	155	65
Unit 3	0.17	22.10	92	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	7.68	0	0
Total	5.94	77.16		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.81	30.58	206	197
Unit 5	4.78	8.10	203	195
Total	9.59	38.69		
Uran				
All Units	6.05	35.42	295	152
Total	6.05	35.42		
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	0.52	50	0
Total	0.20	0.52		
Koyna				
Stage 1-2	7.20	32.64	565	45
Stage 4	19.01	59.08	1005	116
Stage 3	5.76	20.61	240	240
Total	31.98	112.34		
Hydro				
KDPH	0.59	2.44	25	24
VTRNA	0.00	3.80	0	0
TILLARI	0.00	0.41	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.32	2.21	80	0
RNGR+BHTSA	0.00	1.32	0	0
BHANDARDRA	0.00	1.30	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.11	1.65	5	4
GHATGHAR	0.00	0.00	0	0
Total	1.02	13.12		
Wind				
Total	6.30	78.25	0	0
Total	6.30	78.25		
CPP				
APML(Mus)	44.26	310.54	0	0
JSWEL(Mus)	16.45	115.99	0	0
VIPL(Mus)	7.48	52.36	0	0
RPLAMT(Mus)	31.54	174.57	0	0
WPCL(Mus)	2.95	18.12	0	0
Other(Mus)	2.29	22.74	0	0
Total	104.96	694.33		
SOLAR				
Total	2.06	14.61	0	0
Total	2.06	14.61		
Tata				
Trombay 5	11.62	74.75	492	460
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.19	7.66	56	44
Trombay 7B	0.97	6.37	44	37
Trombay 8	5.81	39.15	247	239
TATA Hydro	6.38	37.62	459	0
Total	25.98	165.54		
R-INFRA				
DTPS U-1&2	11.97	78.74	501	494
Total	11.97	78.74		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	122.02	746.32	MSPGCL Total	161.06	907.20
			MSPGCL Thml+Gas	128.07	781.74	Koyna 1,2 & 4 Total	26.22	91.73
			MSPGCL Hydro	32.99	125.46	State Total	312.33	1938.68

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 07/Sep/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	4354	1470	293	6117	148	4408	0	0	4557	4650	-894	14429	0	14429	2265	16694	49.91
2	4206	1470	283	5959	108	4309	0	0	4597	4568	-739	14205	0	14205	2043	16248	49.98
3	4268	1045	293	5606	93	4298	0	0	4530	4615	-655	13957	0	13957	1939	15896	49.95
4	4405	970	283	5658	84	4313	0	0	4493	4496	-567	13984	0	13984	1869	15853	49.92
5	4501	930	295	5726	147	4308	0	0	4738	4656	-548	14289	0	14289	1853	16142	49.94
6	4524	1029	284	5837	143	4307	0	0	4978	5445	-622	15110	0	15110	1932	17042	49.92
7	4727	1671	295	6693	107	4313	0	5	5422	5759	-784	16093	0	16093	2108	18201	49.91
8	5132	1780	284	7196	117	4334	0	61	5505	5744	-868	16584	0	16584	2231	18815	49.98
9	5238	1655	291	7184	133	4328	0	156	5636	5993	-1208	16586	0	16586	2640	19226	49.97
10	5350	1593	280	7223	157	4339	0	220	5437	5634	-1300	16273	0	16273	2907	19180	49.95
11	5295	1439	277	7011	192	4338	0	280	5617	5866	-1432	16255	0	16255	3126	19381	49.93
12	5274	1784	286	7344	205	4392	0	274	5686	5844	-1455	16604	0	16604	3209	19813	49.89
13	5298	1793	275	7366	202	4376	0	282	5647	5851	-1419	16658	0	16658	3166	19824	49.91
14	5464	1813	274	7551	320	4341	0	254	5269	5748	-1387	16827	0	16827	3058	19885	49.98
15	5554	1808	172	7534	257	4314	0	226	5275	5601	-1392	16540	94	16634	3129	19763	49.84
16	5495	1833	152	7480	229	4310	0	180	5236	5940	-1396	16743	169	16912	3157	20069	49.91
17	5301	1668	164	7133	512	4313	0	87	5267	5366	-1382	16029	278	16307	3116	19423	49.92
18	5308	1161	153	6622	778	4286	0	36	5240	5174	-1374	15522	120	15642	3053	18695	49.92
19	5262	1168	179	6609	553	4466	0	3	4966	4924	-1198	15357	0	15357	2937	18294	49.95
20	5294	1453	204	6951	588	4530	0	0	4893	4984	-1160	15893	0	15893	2933	18826	49.90
21	5358	1283	213	6854	368	4513	0	0	4577	4514	-1056	15193	0	15193	2829	18022	49.95
22	5409	946	267	6622	242	4521	0	0	4373	4101	-926	14560	0	14560	2673	17233	49.92
23	5532	719	276	6527	287	4512	0	0	4078	4021	-845	14502	0	14502	2604	17106	49.87
24	5469	509	279	6257	334	4493	0	0	3904	3994	-762	14316	0	14316	2535	16851	49.96
MUs	122.02	32.99	6.05	161.06	6.30	104.96	0.00	2.06	119.92	123.49	-25.37	372.51	0.66	373.17	63.31	436.48	49.93

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 07/Sep/2017

Position as on 6.30 Hrs of 08/Sep/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.	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
MSPGCL	Khaparkheda Unit 4	210	13/07/2017	03.36		Continued.	Drum level low. on Dated 14.07.2017 converted to zero schedule. Converted into COH from 00:00Hrs of 02.08.2017	
MSPGCL	Nasik Unit 3	210	10/08/2017	00.00		Continued.	Withdrawn for maintenance work.Converted to COH from 15.08.2017.	
MSPGCL	Chandrapur Unit 4	210	22/08/2017	23.56		Continued.	Annual Overhaul	
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.	Shutdown	
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	JSW (J) U2	300	31/05/2017	23.58		Continued.	NO SCHEDULE.	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL, scheduled issued on 08.08.2017 but synchronization delayed.	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Ghatghar Unit-1	125	28/07/2017	00.00		Continued.	RBDV leakage attending work.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 07/Sep/2017

Position as on 6.30 Hrs of 08/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	Adani U-2	660	11/08/2017	16.49		Continued.	Furnace Pressure High	
MSPGCL	Chandrapur Unit 9	500	18/08/2017	15.26	07/09/2017	03.34	Turbine sharp Vibration problem.	
MSPGCL	Chandrapur Unit 7	500	26/08/2017	00.23	07/09/2017	03.27	Stem line leakage	
CPP	SWPGL U-3	135	26/08/2017	17.40		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	27/08/2017	07.43		Continued.	Low furnace pressure	
MSPGCL	Khaparkheda Unit 5	500	01/09/2017	18.29		Continued.	Due to shaft vibration High.	
MSPGCL	Uran Unit B0	120	06/09/2017	11.29		Continued.	D.C. Supply Fail	
MSPGCL	Uran Unit 7	108	06/09/2017	11.29		Continued.	D.C. Supply Fail	
IPP	Adani U-4	660	06/09/2017	21.47		Continued.	Changeover from U-4 to U1	
MSPGCL	Khaparkheda Unit 3	210	06/09/2017	22.45	07/09/2017	21.36	Drum level low	
MSPGCL	Koradi Unit 9	660	07/09/2017	00.38		Continued.	Air heater problem	
MSPGCL	Uran Unit 5	108	07/09/2017	14.18	07/09/2017	15.45	Generator Protection operated	
MSPGCL	Uran Unit 5	108	07/09/2017	16.18	07/09/2017	16.52	Boiler Tripped	
MSPGCL	Khaparkheda Unit 2	210	08/09/2017	01.55		Continued.	Drum level high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 08/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Koradi-III - Tirora ckt-II	IntraState	07/09/2017	13.27	07/09/2017	21.19	PO	Overhead crossing of earth wire (WRTS)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	06/09/2017	19.18	07/09/2017	11.28	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	07/09/2017	18.14		Continued.	HT	Over Voltage
Akola Wardha I	InterState	07/09/2017	22.06		Continued.	T	Distance Protection
Ektuni-Bableshtar ckt II	IntraState	26/08/2017	20.35		Continued.	HT	To control load on PDG-BBLR.
N.Koyna-Karad -Ckt I	IntraState	06/09/2017	16.39	07/09/2017	09.11	EO	To attend Hot Spot(RFC 19.25Hrs)
karad -kolhapur-I	IntraState	06/09/2017	18.10	07/09/2017	09.00	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	06/09/2017	19.13	07/09/2017	10.23	HT	Over Voltage
Karad - Jaigad - II	IntraState	06/09/2017	19.34	07/09/2017	08.59	HT	Over Voltage
Kharghar-Talegaon(PG)	IntraState	07/09/2017	05.19	07/09/2017	12.07	PO	String Replacement Work At Loc.No 06 Near Lonikand R
Akola-Nandgaonpeth (RPL)	IntraState	07/09/2017	12.08	07/09/2017	14.57	EO	Attending Hot Spot
karad -kolhapur-II	IntraState	07/09/2017	13.26		Continued.	T	Loc No-15 Y ph Decapping
Karad-Jaigad - I	IntraState	08/09/2017	00.47		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	08/09/2017	03.16		Continued.	T	over voltage,Distance protection
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT1@koradi 2	IntraState	10/08/2017	11.39		Continued.	PO	Attend defects observed in OLTC of ICT 1.
400/220/33 Kv 500 Mva Ict-3 @Nagothane	IntraState	07/09/2017	11.00	07/09/2017	18.22	PO	Routine Maintenance Work
400/220 Kv 315 Mva Ict 1 @Chakan	IntraState	07/09/2017	12.45	07/09/2017	18.45	PO	Routine Maintenance Work
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	07/09/2017	14.45	07/09/2017	15.15	T	Distance Protection
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.
Malinagar - Tembhurni	IntraState	07/09/2017	00.35	07/09/2017	14.16	T	Distance Protection
Lamboti(solapur)-Karkamb	IntraState	07/09/2017	00.35	07/09/2017	10.00	T	Distance Protection
Kathapur-Ranjangaon	IntraState	07/09/2017	02.42	07/09/2017	03.11	T	Distance Protection
Pedambe-Nerle	IntraState	07/09/2017	09.40	07/09/2017	12.16	PO	Routine Maintenance Work
Kharepatan -Pawas Line	IntraState	07/09/2017	10.16	07/09/2017	15.06	PO	Quarterly bay maint and attending air leakage from CB.
chandrapur-Tadali	IntraState	07/09/2017	11.32	07/09/2017	20.16	PO	Relay Retrofitting Work.Measurement Of Tan Delta
Kandalgaon - Bhira	IntraState	07/09/2017	12.05	07/09/2017	12.50	T	Distance Protection
Gadchandur - Grace	IntraState	07/09/2017	14.48	07/09/2017	15.10	T	Distance Protection
Theur-Jejuri	IntraState	07/09/2017	16.37	07/09/2017	18.30	PO	Tan Delta Test
Koradi II - Kawlewada	IntraState	07/09/2017	19.27	08/09/2017	05.47	T	BPH Wt Burnt

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 07/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 08/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Yeotmal- Pusad	IntraState	07/09/2017	20.58		Continued.	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(Now repaired and ready for commissioning)
220/132 Kv 150 Mva Emco Ict 1 @Ambazari	IntraState	06/09/2017	08.41		Continued.	PO	Augmentation of 200 MVA 220/132KV ICT
220/33kv 125 Mva Transformer 2 @Saki R/S	IntraState	07/09/2017	11.10	08/09/2017	16.33	PO	For Connecting 33KV Cable
220/132 kv 200 MVA ICT-III @ Nanded	IntraState	07/09/2017	11.12	07/09/2017	12.37	PO	To attend Hot Spot
220/66 Kv 150 Mva Emco Ict 2 @Gadchandur	IntraState	07/09/2017	12.35	07/09/2017	17.16	PO	Diagnostic Testing Work,Routine Maintenance Work
220/33kv 100MVA ICT-II @ Shivajinagar	IntraState	07/09/2017	16.27	07/09/2017	20.16	PO	Tan Delta Measurment of CTs
132 KV LINE Outages/Trippings							
Ujani - Omerga	IntraState	07/09/2017	10.35	07/09/2017	12.05	HT	Armouring Of Conductor at Loc No.62Y PH
Gadchiroli - Mul	IntraState	07/09/2017	11.47	07/09/2017	17.49	PO	Replacement Of Numerical Distance Relay
Killari Tap On Ujani-Omerga	IntraState	07/09/2017	12.10	07/09/2017	15.00	PO	Disc Insulator Replacement Work

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