

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Sep/2016 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	61.877	2096.639	1) Gujrat	-2.750	14.252
2) Hydro	12.648	156.345	2) Madhya Pradesh	11.742	162.342
3) Gas	6.488	131.904	3) Chattisgarh	8.390	101.870
Total MSPGCL	81.013	2384.888	4) Maharashtra Net	71.886	1515.280
B) 1) APML	58.313	1092.762	5) Goa (Amona)	-0.618	-10.456
2) JSWEL	19.553	374.755	6) TAPS 1&2 Injection	7.661	145.656
3) VIPL	10.039	213.444	7) RGPPL Injection	11.984	227.179
4) RPL(AMT)	0.000	65.208	8) Pench (MS)	0.967	18.058
5) WPCL	4.576	83.661	9) Pench (Excess)	-0.967	-18.058
6) PGPL	0.000	80.445	Total	107.328	2138.065
7) Other IPP	2.424	47.910	a) Mumbai Schedule	18.712	353.688
C) 1) TPCL Thermal	13.205	229.398	b) Mumbai Drawl	23.479	473.382
2) TPCL Hydro	6.214	92.688	c) MSEDCL Bilateral *	23.051	503.409
3) TPCL Gas	3.980	80.299	Include PX	-7.272	-35.992
4) R-INFRA Thermal	10.089	195.246	d) Mumbai Bilateral *	18.712	353.174
D) STATE			Include PX	1.851	26.014
1) Thermal	180.076	4399.023	Include Standby	0.000	0.514
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro	18.862	249.033	1) MSEDCL	292.985	6412.806
3) Gas	10.468	292.648	2) Mumbai Discoms	56.967	1071.017
4) Wind	32.326	387.968	TOTAL STATE	349.952	7483.823
6) SOLAR	0.892	17.082			
TOTAL STATE	242.624	5345.754			

* 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 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	2694	2497	2496	2713
MSPGCL Hydro	678	908	1448	177
MSPGCL Gas	286	274	265	276
MSPGCL Total Generation	3658	3679	4209	3166
Central Sector Receipt	5009	4814	5477	3192
WIND	1565	1227	1140	1336
CPP / IPP Thermal	4087	3895	4429	3603
CPP / IPP Gas	0	0	0	0
SOLAR	102	18	0	0
Exchange with Mumbai	-1306	-1268	-1196	-481
MSEDCL DEMAND MET	13115	12365	14059	10816
Load Shedding	0	0	0	0
MSEDCL DEMAND	13115	12365	14059	10816
TPCL GENERATION	1045	1068	1062	708
R-INFRA GENERATION	402	401	481	403
MUMBAI DEMAND	2753	2737	2739	1592
STATE DEMAND MET	15868	15102	16798	12408
STATE DEMAND	15868	15102	16798	12408
Frequency (Hz)	49.98	49.88	49.95	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 12.01 Hrs	49.66 Hz at 18.52 Hrs	49.94	49.94 % 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 19/Sep/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	10.83	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	51.03	0	0
Unit 8	9.50	200.89	504	317
Total	9.50	262.75		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	6.80	0	0
Unit 4	0.00	93.04	0	0
Unit 5	0.00	136.14	0	0
Total	0.00	235.98		
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
Total	0.00	0.00		
Chandrapur				
Unit 3	4.03	79.40	187	163
Unit 4	4.07	59.32	187	164
Unit 5	9.01	168.01	420	355
Unit 6	8.31	176.83	410	0
Unit 7	0.00	162.24	0	0
Unit 8	5.95	146.45	365	0
Total	31.37	792.25		
Paras				
Unit 3	0.00	92.20	0	0
Unit 4	2.99	95.38	200	0
Total	2.99	187.58		
Khaparkheda				
Unit 1	0.00	45.01	0	0
Unit 2	0.00	62.12	0	0
Unit 3	0.00	70.68	0	0
Unit 4	0.00	68.43	0	0
Unit 5	9.87	194.70	470	390
Total	9.87	440.94		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.02	78.21	193	160
Unit 5	4.12	78.15	196	158
Total	8.14	156.37		
Uran				
All Units	6.49	131.90	286	262
Total	6.49	131.90		
PGPL				
Unit 1	0.00	51.09	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	29.35	0	0
Total	0.00	80.44		
PENCH (MS)				
Pench (MS)	0.97	18.06	52	13
Total	0.97	18.06		
Koyna				
Stage 1-2	4.92	56.56	440	40
Stage 4	2.55	24.18	884	0
Stage 3	2.63	23.18	240	0
Total	10.09	103.91		
Hydro				
KDPH	0.79	8.52	33	32
VTRNA	0.00	0.92	0	0
TILLARI	0.37	5.42	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.50	8.52	80	0
RNGR+BHTSA	0.00	0.67	0	0
BHANDARDRA	0.00	5.06	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.53	5.55	30	19
GHATGHAR	0.36	17.78	125	0
Total	2.55	52.43		
Wind				
Total	32.33	387.97	0	0
Total	32.33	387.97		
CPP				
APML(Mus)	58.31	1092.76	0	0
JSWEL(Mus)	19.55	374.76	0	0
VIPL(Mus)	10.04	213.44	0	0
RPLAMT(Mus)	0.00	65.21	0	0
WPCL(Mus)	4.58	83.66	0	0
Other(Mus)	2.42	47.91	0	0
Total	94.90	1877.74		
SOLAR				
Total	0.89	17.08	0	0
Total	0.89	17.08		
Tata				
Trombay 5	8.22	132.17	482	312
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.47	50.49	115	63
Trombay 7B	1.51	29.81	68	50
Trombay 8	4.98	97.22	237	198
TATA Hydro	6.21	92.69	387	72
Total	23.40	402.38		
R-INFRA				
1-2	10.09	195.25	509	401
Total	10.09	195.25		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	20.78
Koradi 9	0.00	0.00
Koradi 10	0.00	0.00
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	61.88	2096.64
MSPGCL Thml+Gas	68.36	2228.54
MSPGCL Hydro	12.65	156.34

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	81.01	2384.89
Koyna 1,2 & 4 Total	7.47	80.73
State Total	242.62	5345.75

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Sep/2016

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	2732	346	278	3356	1444	3557	0	0	2959	3430	-643	11144	0	11144	1847	12991	49.96
2	2723	182	277	3182	1390	3560	0	0	3264	3342	-544	10930	0	10930	1709	12639	49.97
3	2673	172	276	3121	1369	3566	0	0	2944	3360	-504	10912	0	10912	1634	12546	49.93
4	2713	177	276	3166	1336	3603	0	0	3223	3192	-481	10816	0	10816	1592	12408	49.97
5	2699	125	276	3100	1365	3724	0	0	3334	3427	-510	11106	0	11106	1613	12719	49.95
6	2690	455	267	3412	1344	3789	0	0	3451	3836	-490	11891	0	11891	1741	13632	49.91
7	2720	733	267	3720	1273	3823	0	4	4288	4427	-584	12663	0	12663	1908	14571	49.94
8	2725	692	267	3684	1244	3872	0	19	4519	4849	-773	12895	0	12895	2129	15024	49.97
9	2680	793	266	3739	1314	3955	0	65	4808	4931	-996	13008	0	13008	2409	15417	49.97
10	2694	678	286	3658	1565	4087	0	102	5019	5009	-1306	13115	0	13115	2753	15868	49.98
11	2656	311	266	3233	1636	3980	0	126	5115	5219	-1532	12662	0	12662	2981	15643	49.98
12	2656	230	265	3151	1615	3893	0	108	4915	4887	-1527	12127	0	12127	2982	15109	49.94
13	2623	108	262	2993	1512	3819	0	93	4720	4743	-1428	11732	0	11732	2897	14629	49.96
14	2622	122	264	3008	1447	3823	0	104	4434	4594	-1328	11648	0	11648	2803	14451	49.88
15	2625	551	262	3438	1423	3842	0	104	4073	4323	-1339	11791	0	11791	2825	14616	49.83
16	2571	626	271	3468	1372	3797	0	84	4150	4337	-1317	11741	0	11741	2806	14547	49.95
17	2470	762	271	3503	1301	3764	0	62	4270	4445	-1279	11796	0	11796	2765	14561	49.86
18	2497	908	274	3679	1227	3895	0	18	4607	4814	-1268	12365	0	12365	2737	15102	49.88
19	2430	965	263	3658	1244	4207	0	3	5256	5624	-1268	13468	0	13468	2732	16200	49.86
20	2496	1448	265	4209	1140	4429	0	0	5504	5477	-1196	14059	0	14059	2739	16798	49.95
21	2478	711	273	3462	1172	4497	0	0	5219	5422	-996	13557	0	13557	2585	16142	49.95
22	2476	787	276	3539	1133	4479	0	0	4915	4910	-837	13224	0	13224	2427	15651	49.97
23	2192	423	262	2877	1248	4469	0	0	4756	4609	-689	12514	0	12514	2276	14790	49.95
24	2036	343	278	2657	1212	4475	0	0	4325	4121	-644	11821	0	11821	2077	13898	49.96
MUs	61.88	12.65	6.49	81.01	32.33	94.90	0.00	0.89	104.07	107.33	-23.48	292.98	0.00	292.98	56.97	349.95	49.94

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 19/Sep/2016

Position as on 6.30 Hrs of 20/Sep/2016

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	Koyna Unit 10	80	29/12/2015	08:00		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
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)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Koyna Unit 8	80	19/08/2016	11.00		Continued.	High Vibration On LGB & UGB.	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Nasik Unit 3	210	28/08/2016	21.45		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan Problem	
IPP	RPL(AMT) U-2	270	12/09/2016	00.03		Continued.	Zero Shedule By MSEDCL.	
PGPL	PGPL U2	126	14/09/2016	00.16		Continued.	Due To No Shedule.	
PGPL	PGPL U1	262	14/09/2016	00.20		Continued.	Due To No Shedule.	
IPP	RPL(AMT) U-1	270	14/09/2016	23.55		Continued.	Zero Shedule.	
IPP	RPL(AMT) U-4	270	15/09/2016	18.09		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 4	500	15/09/2016	23.59		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koradi Unit 7	210	16/09/2016	00.06		Continued.	Zero Schedule By MSEDCL	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Sep/2016

Position as on 6.30 Hrs of 20/Sep/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 1	210	17/09/2016	13.39		Continued.	Withdrawn for Zero Schedule.	
MSPGCL	Khaparkheda Unit 2	210	17/09/2016	13.43		Continued.	Withdrawn for Zero Schedule.	
MSPGCL	Bhusawal Unit 5	500	17/09/2016	13.51		Continued.	Withdrawn for Zero Schedule.	
MSPGCL	Khaparkheda Unit 3	210	17/09/2016	20.40		Continued.	Withdrawn for Zero Schedule.	
MSPGCL	Khaparkheda Unit 4	210	17/09/2016	20.48		Continued.	Withdrawn for Zero Schedule.	
MSPGCL	Paras Unit 3	250	18/09/2016	14.58		Continued.	Air heater problem	
MSPGCL	Chandrapur Unit 7	500	18/09/2016	20.29	20/09/2016	05.54	Withdrawn for Zero Schedule.	
MSPGCL	Koyna Unit 7	80	18/09/2016	23.10	19/09/2016	02.00	CPU protection not in service.	
MSPGCL	Uran Unit 6	108	18/09/2016	23.42		Continued.	Maintenance work	
IPP	VIPL U-1	300	19/09/2016	00.03	19/09/2016	03.06	Generation class A protection	
MSPGCL	Paras Unit 4	250	19/09/2016	15.34		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit-8	500	19/09/2016	18.43		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 6	500	19/09/2016	22.37		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 20/Sep/2016

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	19/09/2016	08.38		Continued.	PO	Annual Maintenance Work
400 KV LINE Outages/Trippings							
Kolhapur Solapur (PG) II	InterState	16/09/2016	22.52		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	18/09/2016	17.15		Continued.	HT	Over Voltage
Chakan Talegaon(Pg)	InterState	18/09/2016	18.53	19/09/2016	06.34	PO	Insulator Replacement Work
Lamboti - Solapur (PG)	InterState	19/09/2016	10.27	19/09/2016	17.00	PO	Faulty Insulator Replacement Work.
Ektuni-Bableshtar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
Khadka-Aurangabad (Waluj)	IntraState	14/09/2016	21.44	19/09/2016	09.56	HT	Over Voltage
N.Koyna-Karad - Ckt I	IntraState	15/09/2016	15.03		Continued.	T	Distance Protection
Karad-Jaigad - I	IntraState	16/09/2016	11.27		Continued.	EO	Attending Hot Spot, Line RFC @ 14.19 Hrs.
karad -kolhapur-I	IntraState	17/09/2016	03.43		Continued.	T	Over Voltage,B Pole of Breaker Bust.
Dhule- Bableshtar - I	IntraState	18/09/2016	12.43	19/09/2016	06.44	T	Distance Protection (RFC at 19:20hrs)
karad -kolhapur-II	IntraState	18/09/2016	18.07	19/09/2016	09.47	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/09/2016	15.14		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/09/2016	02.01		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	20/08/2016	11.06		Continued.	PO	Shifted on TBC, by hot line jumper open for construction of kudus bay ektuni CKT-2 will remain off during this outage period.
400/220 Kv 500 MVA ICT 3 @Kolhapur	IntraState	19/09/2016	09.41	19/09/2016	12.05	T	Tripped on OLTC Surge Relay Oper.
400/220kv 315 Mva ICT III @Karad	IntraState	19/09/2016	10.23	19/09/2016	18.23	PO	Quarterly Maintainance Work
400/220/33 Kv 315 MVA ICT I @Babhleshwar	IntraState	19/09/2016	12.52	19/09/2016	20.58	PO	Attending Hot Spot
400/220KV 500MVA ICT-I @Nanded	IntraState	19/09/2016	13.47	19/09/2016	15.36	T	Tripped on PRV.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end)
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Bableshtar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Hinjawadi I- Chinchwad	IntraState	18/09/2016	20.55	19/09/2016	05.46	PO	Line Maintenance work
Chakan-Chinchwad	IntraState	18/09/2016	21.20	19/09/2016	05.01	HT	Construction work.
Telco- Chinchwad	IntraState	18/09/2016	21.26	19/09/2016	05.06	PO	Line Maintenance work
Adlabs - Pedambe	IntraState	19/09/2016	11.34	19/09/2016	11.55	T	Distance Protection
Urse-Chinchwad	IntraState	19/09/2016	14.20	19/09/2016	18.50	PO	Insulator Replacement Work
Shivajinagar - Satana	IntraState	19/09/2016	16.32	19/09/2016	18.30	PO	Line Maintenance work
220 KV ICT 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 19/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 20/Sep/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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)
220/110kV 100MVA ICT-II@ Wathar	IntraState	19/09/2016	15.25	19/09/2016	17.45	PO	Attending Hot Spot
132 KV LINE Outages/Trippings							
Girwali-Renapur-Ahamadpur	IntraState	16/09/2016	15.37		Continued.	T	Distance Protection,Trial Failed.
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 2 Line	IntraState	13/08/2016	08.53		Continued.	HT	ICT Problem.