

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 17/May/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	149.345	2161.246	1) Gujrat	-6.529	-54.889
2) Hydro	7.947	190.343	2) Madhya Pradesh	8.751	229.702
3) Gas	8.802	172.763	3) Chattisgarh	6.340	107.070
Total MSPGCL	166.094	2524.352	4) Maharashtra Net	117.576	1679.148
B) 1) APMIL	12.346	633.208	5) Goa (Amona)	-0.858	-9.996
2) JSWEL	28.088	462.754	6) TAPS 1&2 Injection	3.264	27.165
3) VIPL	14.210	218.022	7) RGPPL Injection	11.598	196.372
4) RPL(AMT)	25.460	254.597	8) Pench (MS)	0.098	0.635
5) WPCL	2.804	49.732	9) Pench (Excess)	-0.098	-0.635
6) Other IPP	5.743	90.827	Total	140.044	2173.937
C) 1) TPCL Thermal	17.386	264.837	a) Mumbai Schedule	27.630	422.347
2) TPCL Hydro	3.698	47.438	b) Mumbai Drawl	32.006	507.707
3) TPCL Gas	4.029	68.767	c) MSEDCL Bilateral *	35.633	541.735
4) R-INFRA Thermal	11.919	189.218	Include PX	-0.028	-4.896
D) STATE			d) Mumbai Bilateral *	27.630	422.347
1) Thermal	267.301	4324.441	Include PX	2.195	38.096
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	11.645	237.781	H) ENERGY CATERED (MUs)		
3) Gas	12.831	241.530	1) MSEDCL	376.913	6140.215
4) Wind	12.791	217.838	2) Mumbai Discoms	69.038	1077.937
6) SOLAR	1.339	22.655	TOTAL STATE	445.951	7218.152
TOTAL STATE	305.907	5044.245			

* 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	6453	6497	6395	5854
MSPGCL Hydro	420	690	104	238
MSPGCL Gas	277	290	360	441
MSPGCL Total Generation	7150	7477	6859	6533
Central Sector Receipt	6180	6143	5986	4752
WIND	383	288	533	634
CPP / IPP	3701	3679	3753	3719
SOLAR	147	66	0	0
Exchange with Mumbai	-1575	-1594	-1437	-833
MSEDCL DEMAND MET	15986	16059	15694	14805
Load Shedding	643	674	516	34
MSEDCL DEMAND	16629	16733	16210	14839
TPCL GENERATION	1319	1312	1112	891
R-INFRA GENERATION	499	495	509	514
MUMBAI DEMAND	3393	3401	3058	2238
STATE DEMAND MET	19379	19460	18752	17043
STATE DEMAND	20022	20134	19268	17077
Frequency (Hz)	49.98	49.98	49.97	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 19.01 Hrs	49.81 Hz at 20.12 Hrs	49.98	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 17/May/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.89	3.21	140	100
Unit 6	0.00	0.00	0	0
Unit 7	4.27	13.70	185	170
Unit 8	13.79	155.02	660	531
Total	20.95	171.94		
Bhusawal				
Unit 2	3.44	36.80	155	135
Unit 3	4.10	67.24	180	160
Unit 4	11.90	177.82	500	475
Unit 5	10.53	174.51	500	0
Total	29.96	456.37		
Parli				
Unit 3	0.00	0.00	0	0
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 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Unit 3	4.40	74.23	197	158
Unit 4	4.40	73.33	186	182
Unit 5	6.70	118.53	430	0
Unit 6	10.78	176.82	470	430
Unit 7	10.15	145.06	430	400
Total	36.43	587.96		
Paras				
Unit 3	5.85	94.85	250	233
Unit 4	5.84	95.34	254	223
Total	11.69	190.19		
Khaparkheda				
Unit 1	3.70	58.85	160	135
Unit 2	3.67	67.35	165	135
Unit 3	3.96	68.17	191	140
Unit 4	3.84	56.37	185	140
Unit 5	12.00	159.81	508	485
Total	27.18	410.55		
Nasik				
Unit 3	4.50	72.16	200	165
Unit 4	4.52	71.31	197	170
Unit 5	4.50	72.13	200	173
Total	13.53	215.60		
Uran				
All Units	8.80	172.76	444	277
Total	8.80	172.76		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.10	0.64	24	0
Total	0.10	0.64		
Koyna				
Stage 1-2	2.71	62.47	370	40
Stage 4	1.82	61.68	820	0
Stage 3	1.65	28.13	160	0
Total	6.18	152.28		
Hydro				
KDPH	0.52	8.60	22	21
VTRNA	0.00	0.29	0	0
TILLARI	0.31	5.23	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.18	2.62	80	0
RNGR+BHTSA	0.20	2.64	10	0
BHANDARDRA	0.09	2.09	31	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.17	3.15	7	6
GHATGHAR	0.30	13.45	125	0
Total	1.76	38.06		
Wind				
Total	12.79	217.84	0	0
Total	12.79	217.84		
CPP				
APML(Mus)	12.35	633.21	0	0
JSWEL(Mus)	28.09	462.75	0	0
VIPL(Mus)	14.21	218.02	0	0
RPLAMT(Mus)	25.46	254.60	0	0
WPCL(Mus)	2.80	49.73	0	0
Other(Mus)	5.74	90.83	0	0
Total	88.65	1709.14		
SOLAR				
Total	1.34	22.66	0	0
Total	1.34	22.66		
Tata				
Trombay 5	11.45	166.54	491	417
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.56	43.81	115	94
Trombay 7B	1.47	24.96	64	57
Trombay 8	5.93	98.30	250	239
TATA Hydro	3.70	47.44	421	0
Total	25.11	381.04		
R-INFRA				
1-2	11.92	189.22	515	243
Total	11.92	189.22		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 8	0.00	0.00	MSPGCL Thermal	149.34	2161.25	MSPGCL Total	166.09	2524.35
Chandrapur 9	0.00	1.92	MSPGCL Thml+Gas	158.15	2334.01	Koyna 1,2 & 4 Total	4.53	124.15
Koradi 9	9.60	126.72	MSPGCL Hydro	7.95	190.34	State Total	305.91	5044.24
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 17/May/2016

Annexure-2

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													
1	5392	1362	442	7196	753	3756	0	5518	5536	-1439	15802	47	15849	2820	18669	49.97
2	5493	901	442	6836	820	3730	0	5376	5246	-1141	15491	60	15551	2530	18081	49.98
3	5659	311	443	6413	855	3730	0	5265	5019	-956	15061	65	15126	2363	17489	49.99
4	5854	238	441	6533	634	3719	0	5243	4752	-833	14805	34	14839	2238	17077	49.99
5	5841	248	432	6521	618	3566	0	5312	5318	-792	15231	39	15270	2178	17448	49.98
6	5955	238	444	6637	550	3407	0	5373	5673	-846	15421	86	15507	2186	17693	50.00
7	6116	543	440	7099	414	3628	227	5451	5305	-763	15910	153	16063	2173	18236	50.01
8	6179	226	423	6828	380	3622	68	5509	5550	-825	15623	152	15775	2237	18012	49.97
9	6223	273	302	6798	372	3686	115	5724	6084	-1184	15871	108	15979	2621	18600	49.98
10	6283	362	279	6924	417	3703	129	5849	6281	-1412	16042	192	16234	2965	19199	49.94
11	6379	385	279	7043	379	3706	131	5937	6392	-1593	16058	549	16607	3344	19951	49.96
12	6453	420	277	7150	383	3701	147	6057	6180	-1575	15986	643	16629	3393	20022	49.98
13	6540	144	277	6961	290	3675	150	6085	6147	-1610	15613	787	16400	3394	19794	49.97
14	6517	78	278	6873	215	3679	137	6046	6148	-1593	15459	751	16210	3349	19559	49.99
15	6511	364	279	7154	195	3678	110	6099	6494	-1648	15983	644	16627	3389	20016	49.93
16	6497	690	290	7477	288	3679	66	6118	6143	-1594	16059	674	16733	3401	20134	49.98
17	6525	230	335	7090	360	3703	36	6265	6644	-1622	16211	409	16620	3387	20007	49.96
18	6450	134	353	6937	421	3720	18	6063	6003	-1589	15510	199	15709	3210	18919	49.95
19	6428	84	376	6888	466	3757	5	5583	5451	-1450	15117	151	15268	3061	18329	49.95
20	6395	104	360	6859	533	3753	0	5907	5986	-1437	15694	516	16210	3058	19268	49.97
21	6390	78	357	6825	758	3757	0	6046	5967	-1514	15793	253	16046	3065	19111	49.99
22	6400	68	375	6843	917	3759	0	5919	5597	-1421	15695	88	15783	2907	18690	50.04
23	6442	68	442	6952	966	3750	0	5865	6001	-1458	16211	0	16211	2873	19084	49.97
24	6423	398	436	7257	807	3796	0	5720	6127	-1711	16276	0	16276	2896	19172	49.97
MUs	149.35	7.95	8.80	166.09	12.79	88.66	1.34	138.33	140.04	-32.01	376.92	6.60	383.52	69.04	452.56	49.98

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 17/May/2016

Position as on 6.30 Hrs of 18/May/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	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
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 schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
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	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
RGPL	Dabhol 3B	230	07/01/2016	17:51		Continued.	Change Over.	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No Schedule	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Koyna Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
IPP	Adani U-3	660	20/04/2016	03.33		Continued.	Furnace Pressure High	
IPP	RPL(AMT) U-3	270	20/04/2016	20.50	17/05/2016	22.43	Zero Schedule Given by MSEDCL.	
MSPGCL	Uran Unit 8	108	02/05/2016	14.47		Continued.	Gas shortage	
CPP	WPCL U-4	135	03/05/2016	00.00		Continued.	ESP Back Filter DP High	
IPP	Adani U-5	660	05/05/2016	23.09		Continued.	Due to Unavailblity of Water.	
RGPL	Dabhol 3X	290	07/05/2016	18.40		Continued.	Low Vaccum	
RGPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vaccum	
MSPGCL	Chandrapur Unit 5	500	12/05/2016	22.42	17/05/2016	05.04	Air heater problem	
IPP	Adani U-1	660	13/05/2016	22.53		Continued.	Water Shortage	
IPP	Adani U-2	660	15/05/2016	00.58		Continued.	Water Shortage	
MSPGCL	Bhusawal Unit 5	500	16/05/2016	19.19	17/05/2016	01.12	Flame Failure	
MSPGCL	Uran Unit B0	120	17/05/2016	07.55	17/05/2016	18.56	Generator Protection	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 17/May/2016

Position as on 6.30 Hrs of 18/May/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 7	108	17/05/2016	07.55	17/05/2016	15.11	operated	
							Generator Protection operated	
RINFRA-G	REL Unit 1	250	17/05/2016	23.02	18/05/2016	01.20	Control Card Failure.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/May/2016

Statement-VII

Position as on 6.30 Hrs of 18/May/2016

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	16/05/2016	18.17	17/05/2016	06.16	HT	Over Voltage
Padgha Tarapur I	InterState	17/05/2016	09.39	17/05/2016	20.24	PO	String Replacement Work.
Akola Aurangabad(PG) II	InterState	17/05/2016	09.54	18/05/2016	00.39	HT	For Safety Purpose.
Dhule Sar'Sarovar I	InterState	17/05/2016	18.09		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	27/04/2016	11.41		Continued.	PO	Dismantalling of Conductor Reorientation.
New Koyna - Dabhol-I	IntraState	14/05/2016	07.54	17/05/2016	08.12	PO	String Replacement.
Padgha-HVDC(AC)-II	IntraState	15/05/2016	12.45		Continued.	PO	Attending Hot Spot & Shifted on TBC
karad -kolhapur-I	IntraState	16/05/2016	16.40	17/05/2016	08.32	HT	Over Voltage
Karad-Jaigad - I	IntraState	16/05/2016	17.07	17/05/2016	01.37	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	16/05/2016	22.43	17/05/2016	08.59	HT	Over Voltage
Jaigad-New Koyna Ckt-II	IntraState	17/05/2016	01.26	17/05/2016	22.40	T	Distance Protection
Nagothane - Dabhol-II	IntraState	17/05/2016	09.46	17/05/2016	19.40	EO	C T Oil Leakage @ Dabhol.
Aurangabad - Aurangabad(PG) I	IntraState	17/05/2016	10.11	18/05/2016	00.32	PO	String Replacement Work.
Babhaleshwar - Bhusawal II	IntraState	17/05/2016	11.22	17/05/2016	18.55	EO	String Replacement.
karad -kolhapur-II	IntraState	17/05/2016	17.47		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	17/05/2016	20.51		Continued.	HT	Over Voltage
Nagothane - Dabhol I	IntraState	18/05/2016	02.52		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220 KV 500 MVA ICT- I @Warora	IntraState	06/05/2016	14.37		Continued.	PO	To Dismantle & Transport To Babhaleshwar.
400/220 KV 500 MVA ICT- II @Warora	IntraState	13/05/2016	14.39		Continued.	PO	For Dismantling Of ICT-I
400/220kv 315 Mva ICT II @Karad	IntraState	17/05/2016	11.22	17/05/2016	19.53	PO	Bushing Replacement Work.
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	16/05/2016	18.32		Continued.	HT	O/L of Interconnector betn. Nsk OCR & GCR
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.
Padghe - Vasai	IntraState	24/01/2016	08.32		Continued.	PO	For Formation of Temp. Padgha-Borivali (Charge upto 51/1).
Babhaleshwar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Babhaleshwar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Parli 3 (Old Gcr)-Osmanabad	IntraState	17/05/2016	09.16	17/05/2016	11.33	PO	Quarterly Maintainance Work
Khaparkheda-Ambazari-Ii	IntraState	17/05/2016	09.25	17/05/2016	13.23	PO	Measurment of Tan Delta of CT.
Warora - Hinganghat	IntraState	17/05/2016	09.38	17/05/2016	12.47	PO	Attending Hot Spot
Paranda-Barshi	IntraState	17/05/2016	09.40	17/05/2016	12.48	PO	Quarterly Maintainance Work
Kharghar - Tss Panvel	IntraState	17/05/2016	10.25	17/05/2016	18.13	PO	Testing Work
Karad(400kv) - Ogalewadi Ckt 2	IntraState	17/05/2016	10.27	17/05/2016	15.35	PO	Testing Work
Khaparkheda-Ambazari-Ii	IntraState	17/05/2016	13.26	17/05/2016	18.17	T	Distance Protection
Khaparkheda-Kaulewada-I	IntraState	18/05/2016	00.27		Continued.	T	Distance Protection
220KV Main Bus @Miraj	IntraState	18/05/2016	03.34		Continued.	T	Bus Fault, B Ph P T Burst.

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 17/May/2016

Statement-VII

Position as on 6.30 Hrs of 18/May/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 100 Mva Ict 1 @Tuljapur	IntraState	17/05/2016	08.56	17/05/2016	10.24	PO	Pre-Monsoon Maintenance Work.
220/100 Kv 200 Mva ICT III @Kalwa	IntraState	17/05/2016	09.16	17/05/2016	11.35	EO	Attending Hot Spot
220/132 Kv 100 Mva Ict 2 @Tuljapur	IntraState	17/05/2016	09.27	17/05/2016	11.53	PO	Pre-Monsoon Maintenance Work.
220/132kv 150MVA ICT-II @ Satana	IntraState	17/05/2016	10.15		Continued.	PO	Testing Work
220/66 Kv 50 Mva Bhel Ptr 1 @Wardha	IntraState	17/05/2016	17.05		Continued.	T	L V CB Burst of T/F-1.
220/66 Kv 50 Mva Bhel Ptr 2 @Warora	IntraState	17/05/2016	17.05	17/05/2016	19.05	T	L V CB Burst of T/F-1.
132 KV LINE Outages/Trippings							
Kaulewada-Gondia-I	IntraState	17/05/2016	03.23	17/05/2016	03.47	T	Distance Protection
Harangul-Latur(Koyana) Ckt-Ii	IntraState	17/05/2016	14.27	17/05/2016	17.14	T	Distance Protection
Chitegaon - Garware	IntraState	17/05/2016	21.11		Continued.	T	Due to Bursting of B Ph Line CT of Chitegaon Ckt.
Padegaon Garware	IntraState	17/05/2016	21.11	17/05/2016	22.15	T	At Garware End B Ph Line CT of Chitegaon Ckt Burst.
Chalishaon-Chalishaon- 1	IntraState	17/05/2016	21.11		Continued.	T	Due to Bursting of Y Ph HV Side CT of 132/11 16 MVA T/F @ Chalishaon S/S.
Chalishaon-Chalishaon-2	IntraState	17/05/2016	21.41	17/05/2016	22.20	T	Due to Bursting of Y Ph HV Side CT of 132/11 16 MVA T/F @ Chalishaon S/S.

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