

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	128.326	2434.749	1) Gujrat	-7.726	-70.618
2) Hydro	5.923	201.590	2) Madhya Pradesh	8.341	245.062
3) Gas	10.404	193.589	3) Chattisgarh	7.100	120.140
Total MSPGCL	144.653	2829.928	4) Maharashtra Net	114.432	1914.115
B) 1) APML	13.727	659.804	5) Goa (Amona)	-1.058	-11.910
2) JSWEL	26.075	516.109	6) TAPS 1&2 Injection	3.476	34.141
3) VIPL	10.633	242.365	7) RGPPL Injection	11.674	219.686
4) RPL(AMT)	23.649	305.318	8) Pench (MS)	0.011	0.676
5) WPCL	2.813	55.352	9) Pench (Excess)	-0.011	-0.676
6) Other IPP	4.806	100.451	Total	136.228	2449.940
C) 1) TPCL Thermal	15.973	298.306	a) Mumbai Schedule	25.553	475.565
2) TPCL Hydro	3.503	54.611	b) Mumbai Drawl	33.355	573.739
3) TPCL Gas	3.653	76.257	c) MSEDCL Bilateral *	35.176	612.477
4) R-INFRA Thermal	10.867	211.771	Include PX	0.000	-4.896
D) STATE			d) Mumbai Bilateral *	25.553	475.565
1) Thermal	236.869	4824.225	Include PX	4.156	45.359
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.426	256.201	H) ENERGY CATERED (MUs)		
3) Gas	14.057	269.846	1) MSEDCL	364.077	6884.979
4) Wind	33.627	274.369	2) Mumbai Discoms	67.351	1214.654
6) SOLAR	1.221	25.082	TOTAL STATE	431.428	8099.633
TOTAL STATE	295.200	5649.723			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 15 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	5792	5236	5633	5327
MSPGCL Hydro	565	312	117	76
MSPGCL Gas	427	444	428	443
MSPGCL Total Generation	6784	5992	6178	5846
Central Sector Receipt	5894	6636	5791	4546
WIND	1084	1239	1645	1469
CPP / IPP	3751	3464	3402	3387
SOLAR	147	137	0	0
Exchange with Mumbai	-1600	-1499	-1410	-1124
MSEDCL DEMAND MET	16060	15969	15606	14124
Load Shedding	0	0	0	0
MSEDCL DEMAND	16060	15969	15606	14124
TPCL GENERATION	1141	1321	1020	647
R-INFRA GENERATION	502	507	401	401
MUMBAI DEMAND	3243	3327	2831	2172
STATE DEMAND MET	19303	19296	18437	16296
STATE DEMAND	19303	19296	18437	16296
Frequency (Hz)	49.97	49.89	49.94	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 06.03 Hrs	49.73 Hz at 19.49 Hrs	49.96	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 19/May/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.06	9.54	150	110
Unit 6	0.00	0.00	0	0
Unit 7	3.91	21.59	175	145
Unit 8	12.97	181.01	650	498
Total	19.95	212.14		
Bhusawal				
Unit 2	3.19	43.31	145	120
Unit 3	3.89	75.08	165	160
Unit 4	9.33	198.76	500	350
Unit 5	9.40	195.56	500	360
Total	25.81	512.70		
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	4.28	82.70	197	158
Unit 4	4.34	82.01	194	167
Unit 5	10.03	139.16	460	360
Unit 6	9.96	197.24	455	360
Unit 7	0.00	151.22	0	0
Total	28.61	652.34		
Paras				
Unit 3	4.06	104.54	254	0
Unit 4	5.78	107.04	252	208
Total	9.83	211.58		
Khaparkheda				
Unit 1	3.56	66.18	160	135
Unit 2	3.58	74.64	160	130
Unit 3	4.10	76.72	198	157
Unit 4	3.98	64.66	177	159
Unit 5	11.34	183.13	505	306
Total	26.56	465.32		
Nasik				
Unit 3	3.95	80.32	165	160
Unit 4	0.00	74.36	0	0
Unit 5	3.98	80.28	171	158
Total	7.93	234.96		
Uran				
All Units	10.40	193.59	447	420
Total	10.40	193.59		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.01	0.68	7	0
Total	0.01	0.68		
Koyna				
Stage 1-2	1.74	65.95	275	40
Stage 4	0.62	62.94	200	0
Stage 3	0.38	29.23	126	0
Total	2.74	158.12		
Hydro				
KDPH	0.50	9.60	21	20
VTRNA	0.00	0.29	0	0
TILLARI	0.30	5.82	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.21	3.03	81	0
RNGR+BHTSA	0.12	2.92	11	0
BHANDARDRA	0.17	2.48	34	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.14	3.49	7	6
GHATGHAR	1.74	15.84	250	0
Total	3.18	43.48		
Wind				
Total	33.63	274.37	0	0
Total	33.63	274.37		
CPP				
APML(Mus)	13.73	659.80	0	0
JSWEL(Mus)	26.08	516.11	0	0
VIPL(Mus)	10.63	242.36	0	0
RPLAMT(Mus)	23.65	305.32	0	0
WPCL(Mus)	2.81	55.35	0	0
Other(Mus)	4.81	100.45	0	0
Total	81.70	1879.40		
SOLAR				
Total	1.22	25.08	0	0
Total	1.22	25.08		
Tata				
Trombay 5	10.33	188.40	497	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.48	48.75	112	99
Trombay 7B	1.18	27.51	63	27
Trombay 8	5.64	109.90	250	203
TATA Hydro	3.50	54.61	459	23
Total	23.13	429.17		
R-INFRA				
1-2	10.87	211.77	513	400
Total	10.87	211.77		

* 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	128.33	2434.75	MSPGCL Total	144.65	2829.93
Chandrapur 9	0.00	1.92	MSPGCL Thml+Gas	138.73	2628.34	Koyna 1,2 & 4 Total	2.36	128.88
Koradi 9	9.64	143.78	MSPGCL Hydro	5.92	201.59	State Total	295.20	5649.72
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 19/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	5662	109	442	6213	1417	3521	0	5800	5388	-1389	15150	0	15150	2728	17878	49.99
2	5459	135	442	6036	1461	3520	0	5635	5686	-1266	15437	0	15437	2509	17946	49.99
3	5394	86	442	5922	1449	3518	0	5502	5182	-1290	14781	0	14781	2339	17120	49.98
4	5345	76	443	5864	1530	3482	0	5268	4866	-1186	14556	0	14556	2233	16789	49.99
5	5327	76	443	5846	1469	3387	0	5194	4546	-1124	14124	0	14124	2172	16296	49.98
6	5327	81	443	5851	1493	3372	0	5330	4713	-1123	14306	0	14306	2173	16479	49.97
7	5207	86	433	5726	1400	3362	6	5529	4869	-1090	14273	0	14273	2139	16412	50.02
8	5220	77	435	5732	1363	3368	35	5579	5786	-1166	15118	0	15118	2216	17334	50.01
9	5152	186	431	5769	1351	3392	88	5806	5956	-1452	15104	0	15104	2579	17683	49.98
10	5295	541	439	6275	1084	3409	124	6038	6561	-1413	16040	0	16040	2881	18921	49.96
11	5792	565	427	6784	1084	3751	147	5932	5894	-1600	16060	0	16060	3243	19303	49.97
12	5639	491	424	6554	1067	3676	173	6127	5888	-1511	15847	0	15847	3268	19115	49.95
13	5552	416	420	6388	1099	3591	167	6072	6131	-1583	15793	0	15793	3311	19104	49.94
14	5427	242	423	6092	1160	3464	152	6031	6084	-1534	15418	0	15418	3274	18692	49.95
15	5236	312	444	5992	1239	3464	137	6113	6636	-1499	15969	0	15969	3327	19296	49.89
16	5273	572	422	6267	1341	3450	107	6078	6241	-1490	15916	0	15916	3332	19248	49.92
17	5115	185	423	5723	1539	3417	64	5960	6175	-1568	15350	0	15350	3312	18662	49.98
18	5040	77	425	5542	1906	3261	18	5746	5064	-1468	14323	0	14323	3129	17452	49.99
19	4993	113	447	5553	1765	3268	3	4740	4828	-1455	13962	0	13962	2990	16952	49.94
20	5290	432	427	6149	1397	3432	0	5591	5529	-1432	15075	0	15075	2945	18020	49.85
21	5633	117	428	6178	1645	3402	0	5991	5791	-1410	15606	0	15606	2831	18437	49.94
22	5338	67	431	5836	1523	3197	0	5895	5980	-1442	15094	0	15094	2801	17895	49.96
23	5239	286	440	5965	1406	3083	0	5895	6094	-1495	15053	0	15053	2828	17881	49.96
24	5371	595	430	6396	1439	2922	0	5744	6344	-1369	15732	0	15732	2791	18523	49.99
MUs	128.33	5.92	10.40	144.65	33.63	81.71	1.22	137.60	136.23	-33.36	364.08	0.00	364.08	67.35	431.44	49.96

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/May/2016

Position as on 6.30 Hrs of 20/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	
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	
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	Chandrapur Unit 7	500	18/05/2016	15.41		Continued.	Boiler Tube Leakage	
MSPGCL	Nasik Unit 4	210	18/05/2016	17.00		Continued.	Boiler Validity Extension.	
MSPGCL	Paras Unit 3	250	19/05/2016	16.24		Continued.	BTL.	
IPP	VIPL U-2	300	19/05/2016	20.18	20/05/2016	03.12	GT Class a Operated.	

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

Position as on 6.30 Hrs of 20/May/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	JSW (J) U1	300	19/05/2016	22.52	20/05/2016	02.38	Due to Electrical Problem	
MSPGCL	Bhusawal Unit 2	210	20/05/2016	00.05		Continued.	Boiler Tube Leakage	

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

Statement-VII

Position as on 6.30 Hrs of 20/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	17/05/2016	18.09		Continued.	HT	Over Voltage
Dabhol New koyna I	InterState	18/05/2016	12.20		Continued.	PO	Replacement of Porcelain Insulator String(RFC @ 20.03).
Kolhapur Solapur(PG) I	InterState	18/05/2016	15.30	19/05/2016	07.39	T	Distance Protection (RFC @ 19.37 hRS).
Dhule Sar'Sarovar I	InterState	18/05/2016	16.39	19/05/2016	08.13	HT	Over Voltage
Dabhol New koyna I	InterState	19/05/2016	08.46	19/05/2016	20.37	PO	Insulator Replacement Work
Waluj Aurangabad(PG) II	InterState	19/05/2016	08.55	19/05/2016	20.50	PO	Line Work By WRTS.
Akola Aurangabad(PG) I	InterState	19/05/2016	09.11	19/05/2016	20.56	PO	Line Work By WRTS.
Akola Aurangabad(PG) I	InterState	19/05/2016	11.32	19/05/2016	20.56	PO	Bay work at Akola End.
Dhule Sar'Sarovar I	InterState	19/05/2016	17.38		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	19/05/2016	18.01	20/05/2016	06.16	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	27/04/2016	11.41		Continued.	PO	Dismantalling of Conductor Reorientation.
Padgha-HVDC(AC)-II	IntraState	15/05/2016	12.45		Continued.	PO	Attending Hot Spot & Shifted on TBC
karad -kolhapur-I	IntraState	18/05/2016	16.12	19/05/2016	09.43	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	18/05/2016	17.42	19/05/2016	08.41	HT	Over Voltage
Karad-Jaigad - I	IntraState	18/05/2016	20.38	19/05/2016	10.12	T	Distance Protection
Babhaleshwar - Padghe-I	IntraState	19/05/2016	01.48	19/05/2016	16.04	T	Distance Protection
Solapur - Parli(PG) I	IntraState	19/05/2016	07.50	19/05/2016	18.44	PO	Non Auto.
Ektuni-Babhleshwar ckt II	IntraState	19/05/2016	09.44		Continued.	HT	To Control BBLR Padghe Loading.
Jaigad-New Koyna Ckt-II	IntraState	19/05/2016	14.35		Continued.	T	Distance Protection
karad -kolhapur-II	IntraState	19/05/2016	16.30		Continued.	HT	Over Voltage
Lonikand 1 - Talegaon(Pgcil)	IntraState	19/05/2016	16.39	19/05/2016	20.05	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	19/05/2016	17.45		Continued.	HT	Over Voltage
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 Dismanteling Of ICT-I
400/220 KV 315MVA ICT II @ Parli	IntraState	19/05/2016	08.57	19/05/2016	23.09	PO	Quarterly Maintenance Work
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	19/05/2016	09.11		Continued.	PO	Taken on TBC to Attend open Jumper 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).
Babhleshwar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Babhleshwar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Khaparkhedha-Kaulewada-I	IntraState	18/05/2016	00.27		Continued.	T	Distance Protection
Chinchwad-Hinjewadi I	IntraState	18/05/2016	09.36		Continued.	HT	To Control Urse Chinchwad Loading.

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/May/2016

Statement-VII

Position as on 6.30 Hrs of 20/May/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Karad - Sadawagpur I	IntraState	18/05/2016	16.13		Continued.	T	Tripped @ Sadavagapur End Only
Salsette Borivli 2	IntraState	19/05/2016	03.15	19/05/2016	06.40	PO	Insulator Cleaning.
Lonikand - Bhosari	IntraState	19/05/2016	08.42	19/05/2016	13.44	PO	Maintenance and Diagnostic Testing.
Pophali - Nerale	IntraState	19/05/2016	08.50	19/05/2016	17.00	PO	P.M.Work
220KV main Bus-I @Nanded	IntraState	19/05/2016	12.10	19/05/2016	15.53	PO	Quarterly Maintenance Work
Karad - Sadawagpur I	IntraState	19/05/2016	14.46	19/05/2016	21.47	T	From Sadawagpur End Only.
Kalmeshwar-Pandhurna	IntraState	19/05/2016	16.04	19/05/2016	18.06	PO	Routine Maintenance Work
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)
220/132kv 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.
220/132 Kv 100 Mva Bhel Ict 1 @Padegaon	IntraState	18/05/2016	16.07		Continued.	T	Bus Bar Protection Operated as 220/132KV 100MVA ICT-1 HV Side B Ph CT Burst.
100MVA ICT -1@Magarpatta	IntraState	19/05/2016	09.03	19/05/2016	16.00	PO	Half yearly maintenance work
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	19/05/2016	10.05		Continued.	PO	Attending Oil Leakage
220/33kv 50mva Emco Ptr @Kurkumbh	IntraState	19/05/2016	15.55	19/05/2016	18.56	PO	AMC Work
132 KV LINE Outages/Trippings							
Chalisgaon-Chalisgaon- 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 @ Chalisgaon S/S.
Chitegaon - Garware	IntraState	17/05/2016	21.11		Continued.	T	Due to Bursting of B Ph Line CT of Chitegaon Ckt.
Kanhan-Pench	IntraState	19/05/2016	05.25	19/05/2016	05.25	T	A/R Successful.
110 KV LINE Outages/Trippings							
Jath-Sankh	IntraState	18/05/2016	16.15		Continued.	T	Tower Collapse.

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