

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.393	1874.927	1) Gujrat	-1.194	-56.211
2) Hydro	5.967	134.686	2) Madhya Pradesh	12.323	213.352
3) Gas	10.616	193.210	3) Chattisgarh	7.130	127.040
Total MSPGCL	113.976	2202.823	4) Maharashtra Net	94.970	1680.266
B) 1) APML	63.255	1168.003	5) Goa (Amona)	-0.058	-11.674
2) JSWEL	28.130	495.471	6) TAPS 1&2 Injection	3.571	69.073
3) VIPL	12.373	229.322	7) RGPPL Injection	11.748	217.665
4) RPL(AMT)	25.703	344.011	8) Pench (MS)	0.221	3.114
5) WPCL	2.570	76.388	9) Pench (Excess)	-0.221	-3.114
6) Other IPP	7.897	158.616	Total	128.269	2236.397
C) 1) TPCL Thermal	15.695	257.693	a) Mumbai Schedule	24.670	386.610
2) TPCL Hydro	1.974	60.526	b) Mumbai Drawl	29.422	471.494
3) TPCL Gas	4.307	79.605	c) MSEDCL Bilateral *	33.013	587.930
4) R-INFRA Thermal	5.794	200.790	Include PX	-0.081	-19.865
D) STATE			d) Mumbai Bilateral *	24.670	385.910
1) Thermal	258.810	4805.221	Include PX	6.702	56.481
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.700
2) Hydro	7.941	195.212	H) ENERGY CATERED (MUs)		
3) Gas	14.923	272.815	1) MSEDCL	367.944	6631.998
4) Wind	13.794	167.480	2) Mumbai Discoms	57.192	1070.095
6) SOLAR	1.399	24.981	TOTAL STATE	425.136	7702.093
TOTAL STATE	296.867	5465.709			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4450	4450	4179	3587
MSPGCL Hydro	497	341	629	120
MSPGCL Gas	439	422	432	457
MSPGCL Total Generation	5386	5213	5240	4164
Central Sector Receipt	5722	5835	5485	4662
WIND	377	332	545	810
CPP / IPP	6327	6240	5947	5221
SOLAR	189	204	0	0
Exchange with Mumbai	-1536	-1532	-1293	-851
MSEDCL DEMAND MET	16465	16292	15924	14006
Load Shedding	0	0	0	0
MSEDCL DEMAND	16465	16292	15924	14006
TPCL GENERATION	1111	1107	1095	696
R-INFRA GENERATION	251	258	257	202
MUMBAI DEMAND	2898	2897	2645	1749
STATE DEMAND MET	19363	19189	18569	15755
STATE DEMAND	19363	19189	18569	15755
Frequency (Hz)	49.95	49.98	49.97	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 16:05 Hrs	49.81 Hz at 16:12 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 19/Mar/2016

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	4.01	0	0
Unit 8	0.00	79.53	0	0
Total	0.00	83.54		
Bhusawal				
Unit 2	4.14	58.82	190	160
Unit 3	4.01	67.46	175	160
Unit 4	10.05	57.99	500	345
Unit 5	10.00	175.70	500	350
Total	28.20	359.97		
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	4.34	66.44	200	163
Unit 4	4.36	81.12	198	160
Unit 5	10.07	189.62	470	360
Unit 6	0.00	40.63	0	0
Unit 7	9.36	177.84	426	354
Total	28.14	555.64		
Paras				
Unit 3	5.49	88.94	250	186
Unit 4	5.64	67.55	262	190
Total	11.13	156.48		
Khaparkheda				
Unit 1	3.89	70.38	170	140
Unit 2	4.00	76.24	185	155
Unit 3	4.15	65.12	192	160
Unit 4	4.28	79.77	205	160
Unit 5	0.00	146.97	0	0
Total	16.31	438.47		
Nasik				
Unit 3	4.18	59.44	195	160
Unit 4	4.14	77.22	190	160
Unit 5	4.19	74.45	197	162
Total	12.51	211.10		
Uran				
All Units	10.62	193.21	461	405
Total	10.62	193.21		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.22	3.11	49	0
Total	0.22	3.11		
Koyna				
Stage 1-2	1.64	53.64	300	40
Stage 4	0.37	22.59	192	0
Stage 3	0.71	15.50	118	0
Total	2.72	91.73		
Hydro				
KDPH	0.79	9.32	33	32
VTRNA	0.00	0.00	0	0
TILLARI	0.25	3.08	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.22	3.95	40	0
RNGR+BHTSA	0.24	3.73	10	9
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.90	17.50	38	37
GHATGHAR	0.84	5.38	120	0
Total	3.24	42.96		
Wind				
Total	13.79	167.48	0	0
Total	13.79	167.48		
CPP				
APML(Mus)	63.26	1168.00	0	0
JSWEL(Mus)	28.13	495.47	0	0
VIPL(Mus)	12.37	229.32	0	0
RPLAMT(Mus)	25.70	344.01	0	0
WPCL(Mus)	2.57	76.39	0	0
Other(Mus)	7.90	158.62	0	0
Total	139.93	2471.81		
SOLAR				
Total	1.40	24.98	0	0
Total	1.40	24.98		
Tata				
Trombay 5	10.18	178.76	489	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.70	49.80	114	110
Trombay 7B	1.60	29.81	68	66
Trombay 8	5.52	78.93	247	199
TATA Hydro	1.97	60.53	201	0
Total	21.98	397.82		
R-INFRA				
1-2	5.79	200.79	260	201
Total	5.79	200.79		

Infirm Power	Chandrapur 8	0.00	Koradi 9	1.10
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	97.39	1874.93
MSPGCL Thml+Gas	108.01	2068.14

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	5.97	134.69
MSPGCL Total	113.98	2202.82

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.01	76.23
State Total	296.87	5465.71

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 19/Mar/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													
1	4187	124	456	4767	758	5778	0	5202	4719	-1223	14799	0	14799	2154	16953	49.99
2	3939	120	456	4515	798	5480	0	5057	4624	-1057	14360	0	14360	1954	16314	49.98
3	3716	120	455	4291	790	5305	0	5002	4625	-933	14078	0	14078	1831	15909	50.00
4	3587	120	457	4164	810	5221	0	4897	4662	-851	14006	0	14006	1749	15755	49.97
5	3608	125	455	4188	751	5222	0	4804	4940	-850	14251	0	14251	1746	15997	49.98
6	3852	126	461	4439	713	5443	0	4994	5168	-885	14878	0	14878	1813	16691	49.99
7	4362	121	460	4943	654	5812	0	4995	5112	-818	15703	0	15703	1902	17605	50.00
8	4430	126	461	5017	501	6195	23	5039	5160	-770	16126	0	16126	1975	18101	49.99
9	4416	195	458	5069	480	6332	78	5497	5149	-1018	16090	0	16090	2220	18310	49.99
10	4426	328	460	5214	554	6320	133	5654	5335	-1343	16213	0	16213	2605	18818	49.98
11	4434	494	440	5368	446	6340	164	5785	5487	-1453	16352	0	16352	2820	19172	49.97
12	4450	497	439	5386	377	6327	189	5915	5722	-1536	16465	0	16465	2898	19363	49.95
13	4450	341	422	5213	332	6240	204	5788	5835	-1532	16292	0	16292	2897	19189	49.98
14	4228	241	422	4891	398	5920	187	5680	5646	-1401	15641	0	15641	2754	18395	49.97
15	3983	246	422	4651	586	5911	179	5681	5922	-1421	15828	0	15828	2772	18600	49.94
16	3932	562	405	4899	608	5869	124	5681	6055	-1428	16127	0	16127	2776	18903	49.95
17	4228	398	424	5050	637	5927	84	5544	5212	-1394	15516	0	15516	2748	18264	50.00
18	3728	318	441	4487	590	5577	32	5385	5081	-1308	14459	0	14459	2644	17103	50.00
19	3629	236	430	4295	483	5453	2	5415	5363	-1326	14270	0	14270	2576	16846	49.98
20	4179	629	432	5240	545	5947	0	5595	5485	-1293	15924	0	15924	2645	18569	49.97
21	4141	125	444	4710	478	6017	0	5619	5602	-1346	15461	0	15461	2560	18021	49.99
22	3818	130	434	4382	447	5871	0	5560	5831	-1443	15088	0	15088	2451	17539	49.95
23	3846	120	435	4401	477	5764	0	5550	5669	-1439	14872	0	14872	2390	17262	49.95
24	3824	125	447	4396	581	5656	0	5468	5865	-1354	15144	0	15144	2312	17456	49.97
MUs	97.39	5.97	10.62	113.98	13.79	139.93	1.40	129.81	128.27	-29.42	367.94	0.00	367.94	57.19	425.14	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 19/Mar/2016

Position as on 6.30 Hrs of 20/Mar/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,(Converted to AOH for 30 Days from 00.00Hrs 06-03-2016)	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyana Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
MSPGCL	Khaparkhedha Unit 5	500	15/03/2016	01.12		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		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	
RGPL	Dabhol 3X	290	03/02/2016	15:36		Continued.	Change Over	
MSPGCL	Ghatghar Unit-1	125	15/02/2016	00.00		Continued.	Attending Water valve Leakage.	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	Change Over , No Schedule	
MSPGCL	Koradi Unit 5	200	18/02/2016	11.21		Continued.	MSEDCL Zero Shedule.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
MSPGCL	Koradi Unit 7	210	01/03/2016	23.55		Continued.	Zero Schedule Given by MSEDCL.	
MSPGCL	Uran Unit 8	108	04/03/2016	22.55		Continued.	Gas shortage	
MSPGCL	Chandrapur Unit 6	500	05/03/2016	10.15		Continued.	Turbine bearing Vabration high	
MSPGCL	Koradi Unit-8	660	10/03/2016	12.30		Continued.	Ash Evecuation Problem.	
MSPGCL	Koyana Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
RINFRA-G	REL Unit 2	250	18/03/2016	08.39		Continued.	Stator Earth Fault	
IPP	WPCL U-3	135	19/03/2016	00.00		Continued.	ESP Back Filter DC High	
IPP	RPL(AMT) U-4	270	19/03/2016	15.36	19/03/2016	17.34	Turbine Tripped	

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

Position as on 6.30 Hrs of 20/Mar/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-1	270	20/03/2016	00.00		Continued.	Zero schedule by MSEDCL	
MSPGCL	Khaparkheda Unit 4	210	20/03/2016	23.38		Continued.	Low furnace pressure	

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

Statement-VII

Position as on 6.30 Hrs of 20/Mar/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	18/03/2016	17.20	19/03/2016	10.41	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	18/03/2016	21.23	19/03/2016	08.55	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	19/03/2016	17.36		Continued.	HT	Over Voltage
Kolhapur(M)-Kolhapur(GIS) ckt1	InterState	20/03/2016	09.14	20/03/2016	19.03	PO	Signature test
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over(outage taken on 2/3/2016 at 10.34hrs for commissioning of 765KV Ektuni S/Stn)
Bhusawal-Aurangabad	IntraState	14/03/2016	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	17/03/2016	14.36		Continued.	PO	Attending Hot Spot RFC AT 17.24
Karad-Jaigad - I	IntraState	18/03/2016	16.06	19/03/2016	07.47	HT	Over Voltage
Jaigad-New Koyna Ckt-II	IntraState	19/03/2016	08.41	20/03/2016	09.04	PO	R/M work
Lonikand 1 - Chakan	IntraState	19/03/2016	10.44	19/03/2016	20.09	PO	Line Maintenance work
Chandrapur2-Parali 2 ckt 2	IntraState	19/03/2016	12.49	19/03/2016	15.25	T	Distance Protection
karad -kolhapur-II	IntraState	19/03/2016	16.35	20/03/2016	10.19	HT	Over Voltage
Bableshevar- Aurangabad (Waluj)	IntraState	20/03/2016	11.42		Continued.	PO	Relay Replacement work
Padghe - Kalwa- I	IntraState	20/03/2016	14.56	20/03/2016	22.13	EO	Attending Hot Spot
Nagothane - Dabhol-II	IntraState	20/03/2016	14.56	20/03/2016	15.29	T	Distance Protection
Karad - Jaigad - II	IntraState	20/03/2016	16.23		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	20/03/2016	17.05		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT I @Karad	IntraState	18/03/2016	10.18	19/03/2016	03.23	PO	B Phase Bushing repl.work due to high Tan Delta
400/220/33 315MVA ICT-II @Khadka	IntraState	19/03/2016	07.54	19/03/2016	17.52	PO	Testing Work
400/220 Kv 315 Mva ICT -I @Padghe	IntraState	19/03/2016	09.27	19/03/2016	18.43	PO	Testing Work
400/220/33 Kv 315 Mva ICT- II @Padghe	IntraState	20/03/2016	07.15	20/03/2016	14.23	PO	Attending Oil Leakage
220 KV LINE Outages/Trippings							
Hingoli- Girawali	InterState	14/02/2016	12.37		Continued.	HT	To Improve Voltage @ Hingoli.
Mahalakshmi Amona	InterState	19/03/2016	10.45	19/03/2016	12.44	PO	Line Maintenance work
Mahalakshmi Amona	InterState	20/03/2016	05.25	20/03/2016	14.30	T	Distance Protection
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.
Kalwa - Borivali	IntraState	10/01/2016	09:15		Continued.	PO	Tower Erection Work.
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).
Bableshevar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	To Control BBLSR ICT O/L
Bableshevar- Alephata	IntraState	16/03/2016	21.12	19/03/2016	17.31	HT	For Controlling BBLSR Loading.
Chitegaon-Shendra Ckt-I	IntraState	18/03/2016	06.57		Continued.	PO	For Making LILO Arrangement on Loc.NO 112 at Aurangabad PG S/S.
Chitegaon-Shendra Ckt-II	IntraState	18/03/2016	06.58		Continued.	PO	For Making LILO Arrangement on Loc.NO 112 at Aurangabad PG

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/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 20/Mar/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							S/S.
Bhigwan-Baramat Iagro	IntraState	19/03/2016	08.05	19/03/2016	21.50	PO	Line Maintenance work
Boisar Versova Line	IntraState	19/03/2016	09.59		Continued.	HT	To control O/L of Boisar-Boisar PG line.(Dahanu U-2OUT)
Infosys - Hinjawadi 1	IntraState	19/03/2016	10.02	19/03/2016	13.00	PO	Line Maintenance work
Talandge-Hamidwada	IntraState	19/03/2016	10.59	19/03/2016	11.33	T	Distance Protection
Solapur(Bale) - Tuljapur	IntraState	19/03/2016	11.00	19/03/2016	12.45	PO	Signature Test
Topworth - Kharghar	IntraState	19/03/2016	11.12	19/03/2016	13.10	T	Distance Protection
Pedambe-Nerle	IntraState	19/03/2016	12.48	19/03/2016	13.57	T	Distance Protection
Mururd - Tuljapur	IntraState	19/03/2016	13.36	19/03/2016	15.51	PO	Signature Test
Chinchwad-Hinjewadi I	IntraState	19/03/2016	14.01	19/03/2016	16.53	PO	Testing Work
Pargaon(Kathapur)-Lonikand	IntraState	19/03/2016	17.45	19/03/2016	19.37	HT	String replacement
Bableshwar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Pirangut - Hinjawadi 2	IntraState	20/03/2016	10.39	20/03/2016	13.00	PO	Diagnostic testing work
Pigasus-Hinjewadi-II	IntraState	20/03/2016	14.00	20/03/2016	15.49	PO	Diagnostic testing 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)

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