

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 20/Mar/2016 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.991	1972.918	1) Gujrat	-2.080	-58.291
2) Hydro	4.947	139.633	2) Madhya Pradesh	14.740	228.092
3) Gas	10.651	203.861	3) Chattisgarh	7.580	134.620
Total MSPGCL	113.589	2316.412	4) Maharashtra Net	87.442	1767.708
B) 1) APLM	62.364	1230.367	5) Goa (Amona)	-0.284	-11.958
2) JSWEL	27.240	522.711	6) TAPS 1&2 Injection	3.559	72.632
3) VIPL	10.939	240.261	7) RGPPL Injection	11.885	229.550
4) RPL(AMT)	18.682	362.693	8) Pench (MS)	0.083	3.197
5) WPCL	2.733	79.121	9) Pench (Excess)	-0.083	-3.197
6) Other IPP	8.146	166.762	Total	122.759	2359.156
C) 1) TPCL Thermal	14.065	271.758	a) Mumbai Schedule	18.961	405.571
2) TPCL Hydro	0.086	60.612	b) Mumbai Drawl	26.149	497.643
3) TPCL Gas	4.295	83.900	c) MSEDCL Bilateral *	31.295	619.226
4) R-INFRA Thermal	6.218	207.008	Include PX	-1.993	-21.859
D) STATE			d) Mumbai Bilateral *	18.961	404.871
1) Thermal	248.378	5053.599	Include PX	4.069	60.550
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.700
2) Hydro	5.033	200.245	H) ENERGY CATERED (MUs)		
3) Gas	14.946	287.761	1) MSEDCL	358.851	6990.849
4) Wind	16.836	184.316	2) Mumbai Discoms	50.813	1120.908
6) SOLAR	1.712	26.693	TOTAL STATE	409.664	8111.757
TOTAL STATE	286.905	5752.614			

* 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 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4544	4175	4100	3843
MSPGCL Hydro	235	155	821	116
MSPGCL Gas	428	423	447	454
MSPGCL Total Generation	5207	4753	5368	4413
Central Sector Receipt	5707	5270	5110	4685
WIND	477	672	664	651
CPP / IPP	5707	5501	5545	5315
SOLAR	208	245	0	0
Exchange with Mumbai	-1041	-1093	-1323	-872
MSEDCL DEMAND MET	16265	15348	15364	14192
Load Shedding	0	0	0	0
MSEDCL DEMAND	16265	15348	15364	14192
TPCL GENERATION	914	911	767	702
R-INFRA GENERATION	256	259	259	260
MUMBAI DEMAND	2211	2263	2349	1834
STATE DEMAND MET	18476	17611	17713	16026
STATE DEMAND	18476	17611	17713	16026
Frequency (Hz)	49.97	49.97	49.96	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 06.02 Hrs	49.74 Hz at 21.03 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 20/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	3.96	62.77	170	155
Unit 3	3.98	71.44	170	165
Unit 4	9.17	67.16	500	350
Unit 5	9.21	184.91	500	350
Total	26.31	386.28		
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	4.25	70.69	199	163
Unit 4	4.20	85.32	198	160
Unit 5	9.61	199.22	480	357
Unit 6	0.00	40.63	0	0
Unit 7	8.73	186.57	420	300
Total	26.79	582.43		
Paras				
Unit 3	5.46	94.39	263	190
Unit 4	5.49	73.04	260	193
Total	10.94	167.43		
Khaparkheda				
Unit 1	3.92	74.29	175	160
Unit 2	3.94	80.17	180	160
Unit 3	4.00	69.12	192	160
Unit 4	3.95	83.72	204	77
Unit 5	0.00	146.97	0	0
Total	15.80	454.27		
Nasik				
Unit 3	3.93	63.36	170	160
Unit 4	3.97	81.19	168	160
Unit 5	3.95	78.40	168	163
Total	11.86	222.96		
Uran				
All Units	10.65	203.86	478	416
Total	10.65	203.86		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.08	3.20	26	0
Total	0.08	3.20		
Koyna				
Stage 1-2	2.03	55.66	415	40
Stage 4	0.16	22.76	164	0
Stage 3	0.28	15.78	106	0
Total	2.48	94.21		
Hydro				
KDPH	0.79	10.11	33	32
VTRNA	0.00	0.00	0	0
TILLARI	0.22	3.30	63	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.13	4.08	40	0
RNGR+BHTSA	0.23	3.96	10	9
BHANDARDRA	0.11	0.11	10	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.85	18.35	36	35
GHATGHAR	0.13	5.52	81	0
Total	2.47	45.43		
Wind				
Total	16.84	184.32	0	0
Total	16.84	184.32		
CPP				
APML(Mus)	62.36	1230.37	0	0
JSWEL(Mus)	27.24	522.71	0	0
VIPL(Mus)	10.94	240.26	0	0
RPLAMT(Mus)	18.68	362.69	0	0
WPCL(Mus)	2.73	79.12	0	0
Other(Mus)	8.15	166.76	0	0
Total	130.10	2601.92		
SOLAR				
Total	1.71	26.69	0	0
Total	1.71	26.69		
Tata				
Trombay 5	8.87	187.63	488	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.70	52.49	114	104
Trombay 7B	1.60	31.41	68	65
Trombay 8	5.20	84.13	249	199
TATA Hydro	0.09	60.61	63	10
Total	18.45	416.27		
R-INFRA				
1-2	6.22	207.01	260	256
Total	6.22	207.01		

Infirm Power	Chandrapur 8	0.00	Koradi 9	6.30
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	97.99	1972.92
MSPGCL Thml+Gas	108.64	2176.78

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	4.95	139.63
MSPGCL Total	113.59	2316.41

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.19	78.42
State Total	286.90	5752.61

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 20/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	3759	401	442	4602	699	5231	0	5296	5692	-1278	14946	0	14946	2234	17180	49.94
2	3847	261	454	4562	785	5265	0	5043	5142	-1110	14644	0	14644	2071	16715	49.99
3	3827	136	453	4416	729	5325	0	4918	4999	-967	14502	0	14502	1925	16427	49.98
4	3843	116	454	4413	651	5315	0	4798	4685	-872	14192	0	14192	1834	16026	49.96
5	3823	121	465	4409	753	5230	0	5010	4864	-843	14413	0	14413	1800	16213	49.96
6	3984	117	458	4559	798	5235	0	5236	5285	-880	14997	0	14997	1840	16837	50.03
7	4407	118	463	4988	650	5465	3	5237	5214	-840	15480	0	15480	1847	17327	50.05
8	4664	128	461	5253	494	5657	31	5260	5208	-721	15922	0	15922	1863	17785	50.01
9	4565	123	478	5166	449	5725	92	5372	5074	-799	15707	0	15707	1970	17677	50.01
10	4662	181	457	5300	573	5733	155	5594	5161	-895	16027	0	16027	2064	18091	50.02
11	4544	235	428	5207	477	5707	208	5780	5707	-1041	16265	0	16265	2211	18476	49.97
12	4279	169	420	4868	584	5583	231	5821	5751	-1047	15970	0	15970	2233	18203	49.95
13	4175	155	423	4753	672	5501	245	5611	5270	-1093	15348	0	15348	2263	17611	49.97
14	4043	133	430	4606	618	5449	230	5420	5252	-1034	15121	0	15121	2198	17319	49.98
15	3998	143	420	4561	737	5443	202	5290	5178	-1132	14989	0	14989	2187	17176	49.97
16	4028	156	416	4600	831	5428	163	5283	5287	-1223	15086	0	15086	2173	17259	49.95
17	3918	258	426	4602	978	5282	104	5278	4847	-1200	14613	0	14613	2152	16765	49.97
18	3867	147	426	4440	1051	5024	43	4924	4399	-1133	13824	0	13824	2090	15914	50.01
19	3922	293	457	4672	723	5111	5	4523	4151	-1153	13509	0	13509	2107	15616	49.97
20	4100	821	447	5368	664	5545	0	5158	5110	-1323	15364	0	15364	2349	17713	49.96
21	4108	320	420	4848	692	5699	0	5386	4914	-1395	14758	0	14758	2355	17113	49.96
22	3923	152	447	4522	689	5449	0	5398	4950	-1398	14212	0	14212	2357	16569	49.96
23	3938	134	458	4530	665	5405	0	5424	5231	-1366	14465	0	14465	2325	16790	49.98
24	3767	129	448	4344	874	5301	0	5421	5388	-1406	14501	0	14501	2365	16866	49.95
MUs	97.99	4.95	10.65	113.59	16.84	130.10	1.71	126.48	122.76	-26.15	358.85	0.00	358.85	50.81	409.66	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 20/Mar/2016

Position as on 6.30 Hrs of 21/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-1	270	20/03/2016	00.00		Continued.	Zero schedule by MSEDCL	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 20/Mar/2016

Position as on 6.30 Hrs of 21/Mar/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 4	210	20/03/2016	23.38	21/03/2016	03.08	Low furnace pressure	
MSPGCL	Koradi Unit 9	660	21/03/2016	00.47		Continued.	ash evacuation problem	
MSPGCL	Khaparkheda Unit 4	210	21/03/2016	03.44		Continued.	problem in control valve	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 20/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 21/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	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
Kolhapur Solapur(PG) I	InterState	21/03/2016	00.45	21/03/2016	06.40	HT	Over Voltage
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
Jaigad-New Koyna Ckt-II	IntraState	19/03/2016	08.41	20/03/2016	09.04	PO	R/M work
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							
400/220/33 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	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
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 S/S.
Boisar Versova Line	IntraState	19/03/2016	09.59		Continued.	HT	To control O/L of Boisar-Boisar PG line.(Dahanu U-2OUT)
Bableshevar- 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-Hinjawadi-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