

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Mar/2016 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	91.058	2058.521	1) Gujrat	0.259	-58.032
2) Hydro	6.083	145.716	2) Madhya Pradesh	14.517	242.609
3) Gas	10.734	214.595	3) Chattisgarh	7.730	142.350
Total MSPGCL	107.875	2418.832	4) Maharashtra Net	93.469	1862.272
B) 1) APML	65.063	1295.430	5) Goa (Amona)	-0.038	-11.996
2) JSWEL	27.730	550.441	6) TAPS 1&2 Injection	3.551	76.183
3) VIPL	11.668	251.929	7) RGPPL Injection	11.345	240.895
4) RPL(AMT)	21.331	384.024	8) Pench (MS)	0.279	3.476
5) WPCL	2.844	81.965	9) Pench (Excess)	-0.279	-3.476
6) Other IPP	8.142	174.904	Total	130.554	2490.805
C) 1) TPCL Thermal	16.248	288.006	a) Mumbai Schedule	25.006	430.577
2) TPCL Hydro	4.233	64.845	b) Mumbai Drawl	29.468	527.111
3) TPCL Gas	4.325	88.225	c) MSEDCL Bilateral *	29.078	648.304
4) R-INFRA Thermal	6.166	213.174	Include PX	-2.664	-24.523
D) STATE			d) Mumbai Bilateral *	25.006	429.877
1) Thermal	250.250	5298.394	Include PX	8.541	69.091
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.700
2) Hydro (A2+C2)	10.316	210.561	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	15.059	302.820	1) MSEDCL	363.497	7349.986
4) Wind	16.260	200.576	2) Mumbai Discoms	60.440	1181.348
6) SOLAR	1.498	28.191	TOTAL STATE	423.937	8531.334
TOTAL STATE	293.383	6040.542			

* 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	4274	4021	3875	3511
MSPGCL Hydro	467	184	846	140
MSPGCL Gas	426	437	450	459
MSPGCL Total Generation	5167	4642	5171	4110
Central Sector Receipt	6460	6016	5669	4584
WIND	253	559	801	823
CPP / IPP	6107	5894	5732	5397
SOLAR	175	232	0	0
Exchange with Mumbai	-1492	-1478	-1263	-869
MSEDCL DEMAND MET	16670	15865	16110	14045
Load Shedding	0	0	0	0
MSEDCL DEMAND	16670	15865	16110	14045
TPCL GENERATION	1270	1363	1212	701
R-INFRA GENERATION	246	253	259	259
MUMBAI DEMAND	3008	3094	2734	1829
STATE DEMAND MET	19678	18959	18844	15874
STATE DEMAND	19678	18959	18844	15874
Frequency (Hz)	49.87	49.99	49.90	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 13.04 Hrs	49.64 Hz at 10.16 Hrs	49.95	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 21/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	4.06	66.83	185	160
Unit 3	4.06	75.50	185	165
Unit 4	9.66	76.82	500	350
Unit 5	9.70	194.60	500	350
Total	27.47	413.75		
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	4.39	75.08	200	165
Unit 4	4.33	89.65	197	160
Unit 5	9.96	209.18	470	363
Unit 6	0.00	40.63	0	0
Unit 7	9.35	195.93	430	357
Total	28.03	610.46		
Paras				
Unit 3	5.48	94.42	254	188
Unit 4	5.52	78.56	257	190
Total	11.01	172.98		
Khaparkheda				
Unit 1	3.96	78.25	180	160
Unit 2	4.02	84.18	185	160
Unit 3	4.11	73.23	191	160
Unit 4	0.04	83.76	37	0
Unit 5	0.00	146.97	0	0
Total	12.12	466.39		
Nasik				
Unit 3	4.13	67.50	200	160
Unit 4	4.07	85.26	194	157
Unit 5	4.13	82.53	200	160
Total	12.33	235.28		
Uran				
All Units	10.73	214.60	489	419
Total	10.73	214.60		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.28	3.48	44	0
Total	0.28	3.48		
Koyna				
Stage 1-2	2.52	58.19	475	40
Stage 4	0.19	22.95	190	0
Stage 3	0.42	16.21	144	0
Total	3.14	97.35		
Hydro				
KDPH	0.77	10.88	33	32
VTRNA	0.00	0.00	0	0
TILLARI	0.25	3.54	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.06	4.14	40	0
RNGR+BHTSA	0.22	4.18	12	0
BHANDARDRA	0.45	0.56	19	18
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.70	19.06	30	29
GHATGHAR	0.50	6.01	125	0
Total	2.94	48.37		
Wind				
Total	16.26	200.58	0	0
Total	16.26	200.58		
CPP				
APML(Mus)	65.06	1295.43	0	0
JSWEL(Mus)	27.73	550.44	0	0
VIPL(Mus)	11.67	251.93	0	0
RPLAMT(Mus)	21.33	384.02	0	0
WPCL(Mus)	2.84	81.96	0	0
Other(Mus)	8.14	174.90	0	0
Total	136.78	2738.69		
SOLAR				
Total	1.50	28.19	0	0
Total	1.50	28.19		
Tata				
Trombay 5	10.60	198.23	489	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.72	55.22	114	113
Trombay 7B	1.60	33.01	68	66
Trombay 8	5.65	89.78	248	203
TATA Hydro	4.23	64.84	449	0
Total	24.81	441.08		
R-INFRA				
1-2	6.17	213.17	260	243
Total	6.17	213.17		

Infirm Power	Chandrapur 8	0.00	Koradi 9	0.10
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	91.06	2058.52
MSPGCL Thml+Gas	101.79	2273.12

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.08	145.72
MSPGCL Total	107.88	2418.83

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.72	81.14
State Total	293.38	6040.54

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 21/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	3574	410	457	4441	837	5284	0	5241	5182	-1260	14484	0	14484	2216	16700	49.92
2	3467	180	458	4105	847	5390	0	5158	5046	-1074	14314	0	14314	2033	16347	49.98
3	3453	130	460	4043	833	5396	0	4876	4790	-954	14108	0	14108	1911	16019	49.98
4	3511	140	459	4110	823	5397	0	4619	4584	-869	14045	0	14045	1829	15874	49.96
5	3476	140	470	4086	660	5406	0	4754	4753	-840	14065	0	14065	1810	15875	49.96
6	3586	165	458	4209	687	5452	0	5096	5211	-887	14672	0	14672	1878	16550	49.94
7	4099	145	489	4733	572	5932	2	5161	5224	-880	15583	0	15583	2003	17586	49.99
8	4231	145	460	4836	414	6078	27	5504	5476	-978	15853	0	15853	2150	18003	49.98
9	4241	148	446	4835	341	6096	85	5775	5914	-1256	16015	0	16015	2469	18484	49.93
10	4272	378	460	5110	256	6097	131	5919	6194	-1389	16399	0	16399	2771	19170	49.87
11	4274	467	426	5167	253	6107	175	6006	6460	-1492	16670	0	16670	3008	19678	49.87
12	4267	347	419	5033	487	6102	195	5925	6274	-1503	16588	0	16588	3088	19676	49.95
13	4021	184	437	4642	559	5894	232	6053	6016	-1478	15865	0	15865	3094	18959	49.99
14	3770	142	422	4334	722	5788	192	5939	5619	-1444	15211	0	15211	2999	18210	50.06
15	3766	142	421	4329	827	5744	179	5768	5479	-1434	15124	0	15124	2997	18121	49.97
16	3786	132	421	4339	852	5682	140	5891	5806	-1450	15369	0	15369	2998	18367	49.98
17	3767	138	440	4345	759	5672	95	5825	5762	-1439	15194	0	15194	2971	18165	49.93
18	3518	143	437	4098	719	5437	41	5438	5292	-1452	14135	0	14135	2884	17019	49.99
19	3472	465	432	4369	763	5202	4	4953	4954	-1297	13995	0	13995	2711	16706	49.94
20	3875	846	450	5171	801	5732	0	5398	5669	-1263	16110	0	16110	2734	18844	49.90
21	3925	161	455	4541	828	5925	0	5349	5001	-1221	15074	0	15074	2630	17704	49.92
22	3554	126	441	4121	876	5666	0	5204	5580	-1201	15042	0	15042	2495	17537	49.94
23	3531	252	462	4245	752	5620	0	5080	5395	-1219	14793	0	14793	2410	17203	49.92
24	3622	557	454	4633	792	5677	0	4939	4873	-1188	14787	0	14787	2351	17138	49.95
MUs	91.06	6.08	10.73	107.88	16.26	136.78	1.50	129.87	130.55	-29.47	363.50	0.00	363.50	60.44	423.94	49.95

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 21/Mar/2016

Position as on 6.30 Hrs of 22/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 21/Mar/2016

Position as on 6.30 Hrs of 22/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	22/03/2016	02.45	problem in control valve	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 22/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 Solapur(PG) I	InterState	21/03/2016	00.45	21/03/2016	06.40	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	21/03/2016	18.11	22/03/2016	06.44	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
Babhleshwar- Aurangabad (Waluj)	IntraState	20/03/2016	11.42		Continued.	PO	Relay Replacement work
Karad - Jaigad - II	IntraState	20/03/2016	16.23	21/03/2016	08.43	HT	Over Voltage
karad -kolhapur-I	IntraState	20/03/2016	17.05	21/03/2016	08.48	HT	Over Voltage
Jaigad-New Koyna Ckt-I	IntraState	21/03/2016	09.28		Continued.	PO	Testing Work (RFC @ 19.04)
Bhusawal-Aurangabad	IntraState	21/03/2016	11.20		Continued.	PO	CRM Work.
Babhleshwar- Aurangabad (Waluj)	IntraState	21/03/2016	11.42	21/03/2016	16.44	PO	Testing Work
Padghe - Kharghar	IntraState	21/03/2016	13.17	21/03/2016	15.59	T	Distance Protection due to Fire.
Padghe - Talegaon (PG)	IntraState	21/03/2016	13.17	21/03/2016	16.04	T	Distance Protection due to Fire.
karad -kolhapur-II	IntraState	21/03/2016	16.07		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Hingoli- Girawali	InterState	14/02/2016	12.37		Continued.	HT	To Improve Voltage @ Hingoli.
Tillari Amona	InterState	21/03/2016	10.09	21/03/2016	14.05	PO	Line Signature Work.
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).
Babhleshwar- 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)
Babhleshwar- Alephata	IntraState	19/03/2016	19.44		Continued.	HT	To control BBLSR ICT Loading
Uran - Apta III	IntraState	21/03/2016	08.08		Continued.	PO	Tower Replacement Work.
Uran - Apta IV	IntraState	21/03/2016	08.28		Continued.	PO	Tower Replacement Work.
Karad(400kv) - Wathar	IntraState	21/03/2016	09.32	21/03/2016	13.50	PO	Line Signature Work.
Chinchwad-Hinjewadi I	IntraState	21/03/2016	10.00		Continued.	PO	CB Over Hauling Work.
Dasturi-Kandalgaon Line	IntraState	21/03/2016	10.15	21/03/2016	19.20	PO	Testing Work
Talandge-Mudshingi Ckt-I	IntraState	21/03/2016	10.26	21/03/2016	13.55	PO	Line Signature Work.
Pedambe-Nerle	IntraState	21/03/2016	15.05	21/03/2016	17.30	PO	Line Signature Work.

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 21/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 22/Mar/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220kv Halkarni- Tillary	IntraState	21/03/2016	15.23	21/03/2016	17.12	PO	Line Signature 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)
132 KV LINE Outages/Trippings							
Hingoli-Ii - Hingoli-I Ckt 2	IntraState	21/03/2016	14.25	21/03/2016	14.45	HT	For Safety Purpose due to Fire Near Fencing.
Hingoli-Ii - Hingoli-I Ckt 1	IntraState	21/03/2016	14.25	21/03/2016	14.45	HT	For Safety Purpose due to Fire Near Fencing.