

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 12/Mar/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	101.591	1204.477	1) Gujrat	-2.460	-33.879
2) Hydro	12.034	90.718	2) Madhya Pradesh	12.013	130.980
3) Gas	10.897	127.647	3) Chattisgarh	6.480	75.820
Total MSPGCL	124.522	1422.842	4) Maharashtra Net	94.923	1037.858
B) 1) APML	50.385	736.466	5) Goa (Amona)	-0.542	-8.606
2) JSWEL	26.906	301.918	6) TAPS 1&2 Injection	3.666	43.698
3) VIPL	13.429	146.499	7) RGPPL Injection	8.541	136.135
4) RPL(AMT)	17.107	193.735	8) Pench (MS)	0.023	1.672
5) WPCL	4.871	46.029	9) Pench (Excess)	-0.023	-1.672
6) Other IPP	9.303	100.832	Total	122.598	1380.334
C) 1) TPCL Thermal	15.433	153.275	a) Mumbai Schedule	21.563	242.304
2) TPCL Hydro	3.314	41.120	b) Mumbai Drawl	21.371	298.995
3) TPCL Gas	4.312	49.477	c) MSEDCL Bilateral *	33.454	353.350
4) R-INFRA Thermal	11.012	134.457	Include PX	0.000	-15.751
D) STATE			d) Mumbai Bilateral *	21.563	242.304
1) Thermal	250.037	3017.688	Include PX	2.490	34.048
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	15.348	131.838	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	15.209	177.124	1) MSEDCL	361.563	4137.371
4) Wind	12.597	92.869	2) Mumbai Discoms	55.437	677.317
6) SOLAR	1.216	14.842	TOTAL STATE	417.000	4814.688
TOTAL STATE	294.407	3434.361			

* 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	4547	4517	4147	4035
MSPGCL Hydro	1753	1052	432	114
MSPGCL Gas	446	432	441	460
MSPGCL Total Generation	6746	6001	5020	4609
Central Sector Receipt	5581	5463	5338	4488
WIND	59	143	745	538
CPP / IPP	5226	5230	4948	4988
SOLAR	144	195	0	0
Exchange with Mumbai	-971	-981	-1050	-639
MSEDCL DEMAND MET	16785	16051	15001	13984
Load Shedding	4	4	4	4
MSEDCL DEMAND	16789	16055	15005	13988
TPCL GENERATION	1240	1248	1047	743
R-INFRA GENERATION	514	514	403	402
MUMBAI DEMAND	2725	2743	2500	1784
STATE DEMAND MET	19510	18794	17501	15768
STATE DEMAND	19514	18798	17505	15772
Frequency (Hz)	49.93	49.94	49.93	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 20:55 Hrs	49.69 Hz at 18:54 Hrs	49.97	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 12/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	3.95	30.12	195	90
Unit 3	4.14	38.93	180	160
Unit 4	0.00	0.00	0	0
Unit 5	10.58	107.34	510	355
Total	18.68	176.40		
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	4.43	52.75	201	161
Unit 4	4.49	51.05	196	162
Unit 5	10.50	119.61	475	360
Unit 6	0.00	40.63	0	0
Unit 7	10.18	116.54	450	360
Total	29.60	380.56		
Paras				
Unit 3	5.67	50.30	256	190
Unit 4	5.61	28.68	255	189
Total	11.27	78.98		
Khaparkheda				
Unit 1	3.94	47.17	175	150
Unit 2	4.09	48.38	185	160
Unit 3	4.22	36.68	193	161
Unit 4	4.32	50.94	205	158
Unit 5	10.39	127.16	500	365
Total	26.95	310.33		
Nasik				
Unit 3	0.00	43.98	0	0
Unit 4	4.06	48.45	183	161
Unit 5	4.30	50.23	201	161
Total	8.36	142.66		
Uran				
All Units	10.90	127.65	472	430
Total	10.90	127.65		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.02	1.67	12	0
Total	0.02	1.67		
Koyna				
Stage 1-2	3.59	39.10	515	40
Stage 4	4.02	18.75	915	0
Stage 3	1.43	10.49	80	0
Total	9.04	68.35		
Hydro				
KDPH	0.82	4.11	34	34
VTRNA	0.00	0.00	0	0
TILLARI	0.24	1.36	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.25	2.64	40	0
RNGR+BHTSA	0.21	2.34	12	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.54	10.79	23	22
GHATGHAR	0.94	1.14	125	0
Total	2.99	22.37		
Wind				
Total	12.60	92.87	0	0
Total	12.60	92.87		
CPP				
APML(Mus)	50.38	736.47	0	0
JSWEL(Mus)	26.91	301.92	0	0
VIPL(Mus)	13.43	146.50	0	0
RPLAMT(Mus)	17.11	193.74	0	0
WPCL(Mus)	4.87	46.03	0	0
Other(Mus)	9.30	100.83	0	0
Total	122.00	1525.48		
SOLAR				
Total	1.22	14.84	0	0
Total	1.22	14.84		
Tata				
Trombay 5	9.83	112.05	479	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.72	30.83	115	106
Trombay 7B	1.60	18.65	67	64
Trombay 8	5.60	41.23	247	200
TATA Hydro	3.31	41.12	433	0
Total	23.06	243.87		
R-INFRA				
1-2	11.01	134.46	519	402
Total	11.01	134.46		

Infirm Power	Chandrapur 8	0.00	Koradi 9	6.74
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	101.59	1204.48
MSPGCL Thml+Gas	112.49	1332.12

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	12.03	90.72
MSPGCL Total	124.52	1422.84

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	7.61	57.85
State Total	294.41	3434.36

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 12/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	4335	129	470	4934	584	5147	0	4919	4765	-837	14593	4	14597	2157	16754	49.97
2	4064	109	462	4635	514	4962	0	4882	4823	-749	14185	4	14189	1989	16178	49.97
3	4004	114	460	4578	502	4947	0	4855	4792	-663	14156	4	14160	1899	16059	49.98
4	4035	114	460	4609	538	4988	0	4703	4488	-639	13984	4	13988	1784	15772	50.00
5	4009	114	461	4584	539	5039	0	4629	4687	-675	14174	4	14178	1773	15951	50.06
6	4066	114	463	4643	523	5089	0	4738	5012	-699	14568	4	14572	1860	16432	49.99
7	4460	321	464	5245	478	5261	0	4969	5146	-541	15589	4	15593	1938	17531	49.99
8	4517	1037	463	6017	336	5277	12	4985	5236	-569	16309	4	16313	1976	18289	49.98
9	4510	1348	472	6330	246	5276	59	5014	5238	-700	16449	4	16453	2139	18592	49.97
10	4511	1665	463	6639	145	5279	95	5021	5018	-851	16325	4	16329	2446	18775	50.00
11	4547	1753	446	6746	59	5226	144	5038	5581	-971	16785	4	16789	2725	19514	49.93
12	4501	998	430	5929	117	5246	164	5186	5781	-944	16293	4	16297	2764	19061	49.94
13	4517	1052	432	6001	143	5230	195	5268	5463	-981	16051	4	16055	2743	18798	49.94
14	4518	511	439	5468	223	5227	175	5640	5441	-936	15598	4	15602	2592	18194	49.99
15	4467	379	442	5288	414	5229	166	5511	5544	-978	15663	4	15667	2608	18275	49.97
16	4507	363	445	5315	522	5239	126	5650	5259	-966	15495	4	15499	2602	18101	49.94
17	4436	188	432	5056	781	5196	55	5817	5140	-957	15271	4	15275	2566	17841	49.95
18	4198	197	435	4830	958	5002	23	4890	4455	-1073	14195	4	14199	2493	16692	49.96
19	3919	372	459	4750	817	4818	2	4449	4639	-1031	13995	4	13999	2468	16467	49.92
20	4147	432	441	5020	745	4948	0	5192	5338	-1050	15001	4	15005	2500	17505	49.93
21	4122	176	466	4764	857	5050	0	5464	5093	-1067	14697	4	14701	2533	17234	50.03
22	3758	186	455	4399	845	4841	0	5064	5123	-1206	14002	4	14006	2396	16402	49.99
23	3691	186	469	4346	883	4726	0	4935	5265	-1196	14024	4	14028	2298	16326	49.95
24	3752	176	468	4396	828	4758	0	4968	5271	-1092	14161	4	14165	2193	16358	49.98
MUs	101.59	12.03	10.90	124.52	12.60	122.00	1.22	121.79	122.60	-21.37	361.56	0.10	361.66	55.44	417.10	49.97

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 12/Mar/2016

Position as on 6.30 Hrs of 13/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	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 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	Bhusawal Unit 4	500	14/02/2016	12.10	13/03/2016	10.48	Zero Schedule Given by MSEDCL.	
MSPGCL	Ghatghar Unit-1	125	15/02/2016	00.00		Continued.	Attending Water valve Leakage.	
IPP	RPL(AMT) U-2	270	16/02/2016	01.14		Continued.	Due to Zero Schedule Given by MSEDCL.	
IPP	RPL(AMT) U-3	270	16/02/2016	01.17		Continued.	Due to Zero Schedule Given by MSEDCL.	
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	
IPP	Adani U-3	660	09/03/2016	18.07		Continued.	Hydrogen cooler inlet valve flange leakage.	
MSPGCL	Koradi Unit-8	660	10/03/2016	12.30		Continued.	Ash Evecuation Problem.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 12/Mar/2016

Position as on 6.30 Hrs of 13/Mar/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Koyana Unit 9	80	10/03/2016	14.55		Continued.	GT buchhloz Alaram problem	
MSPGCL	Nasik Unit 3	210	11/03/2016	12.32		Continued.	Boiler Tube Leakage	
MSPGCL	Koyana Unit 11	80	11/03/2016	13.53		Continued.	stator earth fault	
RGPL	Dabhol 2A	230	12/03/2016	01.39	12/03/2016	15.22	low schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 12/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 13/Mar/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	12/03/2016	22.10	13/03/2016	01.44	EO	Protection card testing work
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	11/03/2016	17.25	12/03/2016	06.32	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	11/03/2016	17.26	12/03/2016	06.38	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	12/03/2016	17.44		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	12/03/2016	17.44	13/03/2016	07.11	HT	Over Voltage
Akola Aurangabad(PG) I	InterState	13/03/2016	09.41		Continued.	PO	Insulator Replacement Work
Kolhapur Solapur (PG) II	InterState	13/03/2016	16.39		Continued.	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)
Babhaleshwar-Taptitanda ckt-II	IntraState	11/02/2016	18.40		Continued.	HT	CHANGE OVER
Bhusawal-Aurangabad	IntraState	26/02/2016	17.08		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	11/03/2016	16.38	12/03/2016	09.50	HT	Over Voltage
Karad-Jaigad - I	IntraState	11/03/2016	16.41	12/03/2016	10.08	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	12/03/2016	06.06	12/03/2016	09.35	PO	Relay Testing Work
karad -kolhapur-I	IntraState	12/03/2016	16.39	13/03/2016	09.57	HT	Over Voltage
Karad - Jaigad - II	IntraState	12/03/2016	16.43	13/03/2016	09.59	HT	Over Voltage
Bus Coupler @ Padgha	IntraState	13/03/2016	10.02	13/03/2016	13.13	EO	To attend Hot Spot
karad -kolhapur-II	IntraState	13/03/2016	14.01		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	13/03/2016	16.05		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 MVA ICT-II @Lonikand	IntraState	12/03/2016	07.14	12/03/2016	16.16	PO	33KV NDR PT replacement work
400/220 Kv 315 Mva Ict 1 @Chakan	IntraState	12/03/2016	21.15	13/03/2016	04.59	PO	Testing Work
220 KV LINE Outages/Trippings							
Hingoli- Girawali	InterState	14/02/2016	12.37		Continued.	HT	To Improve Voltage @ Hingoli.
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- Alephata	IntraState	03/02/2016	06.28		Continued.	HT	controlling bblsr ICT Overloading
Bableshevar- Ranjangaon	IntraState	03/02/2016	07.12		Continued.	HT	controlling bblsr ICT Overloading
Wadkhali - Ipcl 1	IntraState	09/03/2016	08.55		Continued.	PO	Conductor Stringing Work.
Chinchwad-Hinjewadi I	IntraState	11/03/2016	20.14	12/03/2016	05.55	PO	conductor strinning work
Chakan-Chinchwad	IntraState	11/03/2016	20.40	12/03/2016	05.44	PO	conductor stringing work
Telco- Chinchwad	IntraState	11/03/2016	20.42	12/03/2016	05.46	PO	conductor stringing work
Siemens - Mahape	IntraState	12/03/2016	10.04	12/03/2016	16.01	PO	Isolator alignment work
Shivajinagar - Satana	IntraState	12/03/2016	18.58	13/03/2016	14.44	T	Distance Protection
Chakan-Chinchwad	IntraState	12/03/2016	20.39	13/03/2016	05.17	PO	Conductor stringing 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 12/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 13/Mar/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Telco- Chinchwad	IntraState	12/03/2016	20.40	13/03/2016	05.18	PO	Conductor stringing work
Padghe - Kamba	IntraState	13/03/2016	06.51	13/03/2016	19.21	PO	Stringing of line on New M/C Tower
Dahanu Ghodbunder Line 1	IntraState	13/03/2016	08.09	13/03/2016	18.45	PO	Line Maintenance work
Trombay Dharavi 9	IntraState	13/03/2016	08.28	13/03/2016	14.54	EO	To attend Hot Spot
Trombay Dharavi 5	IntraState	13/03/2016	10.02	13/03/2016	17.06	EO	To attend Hot Spot
Chakan-Chinchwad	IntraState	13/03/2016	20.35		Continued.	PO	Conductor stringing work
Telco- Chinchwad	IntraState	13/03/2016	20.38		Continued.	PO	Conductor stringing 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							
Waghala - Kandhar	IntraState	12/03/2016	09.35	12/03/2016	13.58	T	Distance Protection
100 KV LINE Outages/Trippings							
Kalwa - Mukand 2	IntraState	11/03/2016	02.27	12/03/2016	21.15	T	Newly erected 50MVA T/F-I caught Fire

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