

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 22/Mar/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.595	2156.116	1) Gujrat	-1.491	-59.523
2) Hydro	9.484	155.200	2) Madhya Pradesh	15.169	257.778
3) Gas	10.794	225.389	3) Chattisgarh	7.530	149.880
Total MSPGCL	117.873	2536.705	4) Maharashtra Net	98.804	1961.076
B) 1) APMIL	65.712	1361.142	5) Goa (Amona)	-0.036	-12.032
2) JSWEL	28.268	578.709	6) TAPS 1&2 Injection	3.616	79.799
3) VIPL	12.432	264.361	7) RGPPL Injection	11.663	252.558
4) RPL(AMT)	21.870	405.894	8) Pench (MS)	0.314	3.790
5) WPCL	3.029	84.994	9) Pench (Excess)	-0.314	-3.790
6) Other IPP	8.075	182.979	Total	134.941	2625.746
C) 1) TPCL Thermal	15.913	303.919	a) Mumbai Schedule	26.029	456.606
2) TPCL Hydro	3.792	68.637	b) Mumbai Drawl	30.285	557.396
3) TPCL Gas	4.277	92.502	c) MSEDCL Bilateral *	29.989	678.293
4) R-INFRA Thermal	5.820	218.994	Include PX	-4.478	-29.001
D) STATE			d) Mumbai Bilateral *	26.029	455.906
1) Thermal	258.714	5557.108	Include PX	8.496	77.587
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.700
2) Hydro	13.276	223.837	H) ENERGY CATERED (MUs)		
3) Gas	15.071	317.891	1) MSEDCL	372.647	7722.633
4) Wind	9.303	209.879	2) Mumbai Discoms	60.087	1241.435
6) SOLAR	1.429	29.620	TOTAL STATE	432.734	8964.068
TOTAL STATE	297.793	6338.335			

* 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	4468	4464	4063	3556
MSPGCL Hydro	757	583	1207	140
MSPGCL Gas	436	416	444	462
MSPGCL Total Generation	5661	5463	5714	4158
Central Sector Receipt	6447	6376	5470	4818
WIND	154	41	165	815
CPP / IPP	6056	6044	5707	5443
SOLAR	170	201	0	0
Exchange with Mumbai	-1559	-1491	-1301	-936
MSEDCL DEMAND MET	16929	16634	15755	14298
Load Shedding	0	0	0	0
MSEDCL DEMAND	16929	16634	15755	14298
TPCL GENERATION	1131	1269	1238	699
R-INFRA GENERATION	247	255	259	200
MUMBAI DEMAND	2937	3015	2798	1835
STATE DEMAND MET	19866	19649	18553	16133
STATE DEMAND	19866	19649	18553	16133
Frequency (Hz)	49.95	50.01	49.93	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 13:00 Hrs	49.72 Hz at 20:48 Hrs	49.94	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 22/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	4.20	71.02	190	160
Unit 3	4.10	79.60	180	165
Unit 4	10.45	87.27	510	350
Unit 5	10.29	204.90	500	350
Total	29.04	442.79		
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	4.37	79.45	200	163
Unit 4	4.31	93.96	196	160
Unit 5	10.15	219.33	478	360
Unit 6	0.00	40.63	0	0
Unit 7	9.36	205.28	425	360
Total	28.19	638.66		
Paras				
Unit 3	5.79	100.21	260	190
Unit 4	5.74	84.30	263	200
Total	11.53	184.51		
Khaparkheda				
Unit 1	3.98	82.22	175	155
Unit 2	4.13	88.32	185	160
Unit 3	4.24	77.47	190	158
Unit 4	3.71	87.46	205	0
Unit 5	0.00	146.97	0	0
Total	16.06	482.45		
Nasik				
Unit 3	4.29	71.78	200	160
Unit 4	4.20	89.46	199	158
Unit 5	4.29	86.82	200	162
Total	12.78	248.06		
Uran				
All Units	10.79	225.39	485	416
Total	10.79	225.39		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.31	3.79	47	0
Total	0.31	3.79		
Koyna				
Stage 1-2	3.48	61.66	390	40
Stage 4	1.10	24.05	500	0
Stage 3	0.94	17.15	80	0
Total	5.52	102.86		
Hydro				
KDPH	0.56	11.44	32	16
VTRNA	0.00	0.00	0	0
TILLARI	0.24	3.79	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.19	4.33	40	0
RNGR+BHTSA	0.22	4.40	13	0
BHANDARDRA	0.49	1.05	21	20
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.83	19.89	35	34
GHATGHAR	1.43	7.45	244	0
Total	3.96	52.34		
Wind				
Total	9.30	209.88	0	0
Total	9.30	209.88		
CPP				
APML(Mus)	65.71	1361.14	0	0
JSWEL(Mus)	28.27	578.71	0	0
VIPL(Mus)	12.43	264.36	0	0
RPLAMT(Mus)	21.87	405.89	0	0
WPCL(Mus)	3.03	84.99	0	0
Other(Mus)	8.08	182.98	0	0
Total	139.39	2878.08		
SOLAR				
Total	1.43	29.62	0	0
Total	1.43	29.62		
Tata				
Trombay 5	10.35	208.58	490	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.69	57.91	114	99
Trombay 7B	1.59	34.60	67	62
Trombay 8	5.56	95.34	247	202
TATA Hydro	3.79	68.64	408	0
Total	23.98	465.06		
R-INFRA				
1-2	5.82	218.99	260	200
Total	5.82	218.99		

Infirm Power	Chandrapur 8	0.00	Koradi 9	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	97.60	2156.12
MSPGCL Thml+Gas	108.39	2381.50

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	9.48	155.20
MSPGCL Total	117.87	2536.70

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.48	84.61
State Total	297.79	6338.34

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 22/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	3767	181	460	4408	912	5793	0	5302	5235	-1196	15152	0	15152	2268	17420	49.95
2	3518	146	471	4135	797	5642	0	5181	5032	-1081	14525	0	14525	2032	16557	49.96
3	3501	150	462	4113	893	5455	0	4883	4801	-1010	14252	0	14252	1907	16159	49.95
4	3556	140	462	4158	815	5443	0	4791	4818	-936	14298	0	14298	1835	16133	49.93
5	3658	145	471	4274	802	5501	0	4975	4823	-896	14504	0	14504	1795	16299	49.94
6	3708	145	459	4312	798	5525	0	5404	5112	-958	14789	0	14789	1856	16645	49.88
7	4091	167	474	4732	727	5632	0	5444	5662	-1008	15745	0	15745	1946	17691	49.96
8	4341	256	463	5060	622	6050	32	5510	5286	-946	16104	0	16104	2082	18186	50.00
9	4428	345	485	5258	435	6120	80	5793	5558	-1225	16226	0	16226	2420	18646	49.98
10	4486	405	471	5362	289	6070	137	5849	5729	-1413	16174	0	16174	2693	18867	49.96
11	4468	757	436	5661	154	6056	170	5970	6447	-1559	16929	0	16929	2937	19866	49.95
12	4470	770	428	5668	86	6086	194	6053	6136	-1493	16677	0	16677	3025	19702	49.93
13	4464	583	416	5463	41	6044	201	6158	6376	-1491	16634	0	16634	3015	19649	50.01
14	4451	275	432	5158	47	6038	180	6017	6197	-1419	16201	0	16201	2913	19114	50.01
15	4477	247	428	5152	38	6076	177	5891	6177	-1464	16156	0	16156	2962	19118	49.92
16	4483	476	421	5380	72	6116	136	5987	5850	-1444	16110	0	16110	2998	19108	49.88
17	4452	338	429	5219	137	6071	84	5857	5985	-1430	16066	0	16066	2951	19017	49.96
18	4075	127	426	4628	180	5826	36	5669	5677	-1464	14883	0	14883	2877	17760	49.95
19	3686	375	446	4507	210	5574	2	5429	5894	-1382	14805	0	14805	2770	17575	49.94
20	4063	1207	444	5714	165	5707	0	5609	5470	-1301	15755	0	15755	2798	18553	49.93
21	4041	519	454	5014	236	5757	0	5626	5729	-1273	15463	0	15463	2689	18152	49.90
22	3742	480	435	4657	315	5552	0	5297	5524	-1191	14857	0	14857	2523	17380	49.90
23	3711	567	468	4746	278	5543	0	5304	6044	-1399	15212	0	15212	2418	17630	49.91
24	3958	683	453	5094	254	5707	0	5189	5379	-1306	15128	0	15128	2377	17505	49.93
MUs	97.59	9.48	10.79	117.87	9.30	139.39	1.43	133.19	134.94	-30.28	372.65	0.00	372.65	60.09	432.73	49.94

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 22/Mar/2016

Position as on 6.30 Hrs of 23/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								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	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	
RGPPL	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	
RGPPL	Dabhol 3X	290	03/02/2016	15:36		Continued.	Change Over	
MSPGCL	Ghatghar Unit-1	125	15/02/2016	00.00	22/03/2016	19.10	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 22/Mar/2016

Position as on 6.30 Hrs of 23/Mar/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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 22/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 23/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							
HVDC Pole-I	IntraState	22/03/2016	22.40	23/03/2016	00.40	PO	Maintenance Work.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	19/03/2016	17.36	22/03/2016	11.02	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	21/03/2016	18.11	22/03/2016	06.44	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	22/03/2016	18.08		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)
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-I	IntraState	21/03/2016	09.28	22/03/2016	09.15	PO	Testing Work (RFC @ 19.04)
Bhusawal-Aurangabad	IntraState	21/03/2016	11.20		Continued.	PO	CRM Work.
karad -kolhapur-II	IntraState	21/03/2016	16.07	22/03/2016	09.15	HT	Over Voltage
Deepnagar Waluj 1	IntraState	22/03/2016	11.30	22/03/2016	15.48	PO	Taken on TBC for Breaker CRM & Testing Work.
karad -kolhapur-I	IntraState	22/03/2016	16.38		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	22/03/2016	17.09		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT 2 @ Kolhapur	IntraState	22/03/2016	10.47	22/03/2016	20.15	PO	Annual Maintenance 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- 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
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.
Chinchwad-Hinjewadi I	IntraState	21/03/2016	10.00	22/03/2016	18.45	PO	CB Over Hauling Work.
Osmanabad - Solapur (Bale)	IntraState	22/03/2016	08.02	22/03/2016	18.22	PO	Maintaining Ground Clearence.
Nashik-Padgha	IntraState	22/03/2016	08.55	22/03/2016	18.36	PO	Faulty Insulator String Replacement.
Anandnagar - Pal	IntraState	22/03/2016	09.30	22/03/2016	18.20	PO	Attending Hot Spot

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 22/Mar/2016

Statement-VII

Position as on 6.30 Hrs of 23/Mar/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kadegaon-Miraj	IntraState	22/03/2016	10.17	22/03/2016	14.48	PO	Quarterly Maintainance Work
Babhaleshwar-Nagar-I	IntraState	22/03/2016	16.42	22/03/2016	20.53	PO	Attending Hot Spot
Koradi-Khaperkheda	IntraState	22/03/2016	17.32	22/03/2016	21.21	T	Distance Protection
Lamboti-Vita	IntraState	23/03/2016	05.11	23/03/2016	05.23	T	Distance Protection
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)
220/100 Kv 100 MVA ICT II @Kandalgaon	IntraState	22/03/2016	08.30	22/03/2016	13.25	PO	Diagnostic Testing of ICT.
220/132 Kv 200 Mva Cgl Ptr No 5 @Parvati	IntraState	22/03/2016	12.50		Continued.	PO	HV Side Taken on TBC for Main Bay Overhauling(for 3 Days).
132 KV LINE Outages/Trippings							
Waghala - Kandhar	IntraState	22/03/2016	11.32	22/03/2016	11.55	T	Distance Protection
Deepnagar (Gcr) - Supreme	IntraState	22/03/2016	15.33	22/03/2016	17.41	T	Distance Protection
Nandurbar - Visarwadi	IntraState	22/03/2016	18.25		Continued.	T	Distance Protection

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