

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 02/Jan/2016 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	113.357	233.731	1) Gujrat	-6.172	-13.507
2) Hydro	18.001	28.660	2) Madhya Pradesh	6.193	8.893
3) Gas	8.018	16.231	3) Chattisgarh	4.120	7.580
Total MSPGCL	139.376	278.622	4) Maharashtra Net	60.577	114.765
B) 1) APML	51.836	98.462	5) Goa (Amona)	-0.681	-1.319
2) JSWEL	19.499	37.862	Total	73.701	135.628
3) VIPL	10.444	20.579	a) Mumbai Schedule	11.872	26.196
4) RPL(AMT)	26.326	50.497	b) Mumbai Drawl	20.909	41.754
5) WPCL	4.684	9.394	c) MSEDCL Bilateral *	6.856	12.523
6) PGPL			Include PX	-14.659	-32.385
7) Other IPP	10.439	21.457	d) Mumbai Bilateral *	11.872	26.196
C) 1) TPCL Thermal	14.447	27.056	Include PX	-0.454	-0.961
2) TPCL Hydro	2.767	4.425	Include Standby	0.000	0.000
3) TPCL Gas	0.000	2.814	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.608	20.319	1) MSEDCL	319.322	624.122
D) STATE			2) Mumbai Discoms	48.731	96.368
1) Thermal	261.640	519.357	TOTAL STATE	368.053	720.490
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	20.768	33.085			
3) Gas (A3+B6+C3)	8.018	19.045			
4) Wind	2.693	10.968			
6) SOLAR	1.233	2.407			
TOTAL STATE	294.352	584.862			

* 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 19 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	5081	5091	4856	4480
MSPGCL Hydro	599	889	675	777
MSPGCL Gas	286	290	341	303
MSPGCL Total Generation	5966	6270	5872	5560
Central Sector Receipt	4821	3955	3788	1203
WIND	24	25	148	131
CPP / IPP Thermal	5636	5565	5452	4651
CPP / IPP Gas	0	0	0	0
SOLAR	174	183	0	0
Exchange with Mumbai	-938	-989	-1072	-563
MSEDCL DEMAND MET	15683	15009	14188	10982
Load Shedding	13	13	11	10
MSEDCL DEMAND	15696	15022	14199	10992
TPCL GENERATION	1020	970	900	517
R-INFRA GENERATION	515	512	404	405
MUMBAI DEMAND	2473	2471	2376	1485
STATE DEMAND MET	18156	17480	16564	12467
STATE DEMAND	18169	17493	16575	12477
Frequency (Hz)	49.95	50.01	49.93	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.22 Hz at 06.02 Hrs	49.74 Hz at 22.06 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 02/Jan/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.02	0	0
Unit 6	0.00	0.00	0	0
Unit 7	4.11	7.87	180	160
Unit 8	0.41	12.28	340	0
Unit 9	0.00	0.00	0	0
Total	4.52	20.17		
Bhusawal				
Unit 2	4.08	8.11	180	160
Unit 3	4.18	8.31	185	160
Unit 4	10.36	19.76	500	370
Unit 5	10.41	19.73	500	380
Total	29.02	55.92		
Parli				
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 3	4.29	8.42	202	146
Unit 4	4.30	8.59	200	163
Unit 5	0.00	0.00	0	0
Unit 6	9.42	18.48	450	370
Unit 7	9.88	19.63	442	400
Unit 8	0.00	0.00	0	0
Total	27.89	55.13		
Paras				
Unit 3	5.06	9.78	249	180
Unit 4	5.13	9.78	250	190
Total	10.19	19.56		
Khaparkheda				
Unit 1	3.85	7.66	170	150
Unit 2	3.92	8.00	175	130
Unit 3	3.95	7.84	173	152
Unit 4	3.70	7.37	155	152
Unit 5	9.72	18.64	500	360
Total	25.13	49.51		
Nasik				
Unit 3	4.52	9.18	195	180
Unit 4	4.45	8.97	194	172
Unit 5	4.55	9.15	195	185
Total	13.52	27.30		
Uran				
All Units	8.02	16.23	469	285
Total	8.02	16.23		
PENCH (MS)				
Pench (MS)	0.42	0.91	50	0
Total	0.42	0.91		
Koyna				
Stage 1-2	7.36	10.56	520	45
Stage 4	5.96	8.67	670	0
Stage 3	2.79	4.62	240	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	16.12	23.86		
Hydro				
KDPH	0.45	1.03	38	0
VTRNA	0.59	1.18	61	0
TILLARI	0.00	0.00	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.15	0.36	63	0
RNGR+BHTSA	0.23	0.50	12	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.46	0.88	20	19
GHATGHAR	0.00	0.84	0	0
Total	1.88	4.80		
Wind				
Total	2.69	10.97	0	0
Total	2.69	10.97		
CPP				
APML(Mus)	51.84	98.46	0	0
JSWEL(Mus)	19.50	37.86	0	0
VIPL(Mus)	10.44	20.58	0	0
RPLAMT(Mus)	26.33	50.50	0	0
WPCL(Mus)	4.68	9.39	0	0
Other(Mus)	10.44	21.46	0	0
Total	123.23	238.25		
SOLAR				
Total	1.23	2.41	0	0
Total	1.23	2.41		
Tata				
Trombay 5	9.03	16.68	472	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	1.65	0	0
Trombay 7B	0.00	1.16	0	0
Trombay 8	5.42	10.37	250	199
TATA Hydro	2.77	4.42	335	0
Total	17.21	34.30		
R-INFRA				
1-2	10.61	20.32	517	402
Total	10.61	20.32		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Koradi 10	0.00	0.00	MSPGCL Thermal	113.36	233.73	MSPGCL Total	139.38	278.62
			MSPGCL Thml+Gas	121.38	249.96	Koyna 1,2 & 4 Total	13.33	19.24
			MSPGCL Hydro	18.00	28.66	State Total	294.35	584.86

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 02/Jan/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			THM	GAS										
1	4785	804	312	5901	141	4639	0	0	1388	1298	-768	11211	17	11228	1689	12917	49.98
2	4549	702	303	5554	144	4651	0	0	1259	1390	-632	11107	10	11117	1554	12671	49.96
3	4480	777	303	5560	131	4651	0	0	1240	1203	-563	10982	10	10992	1485	12477	49.95
4	4468	792	303	5563	134	4658	0	0	1418	1535	-526	11364	10	11374	1447	12821	49.94
5	4475	721	313	5509	151	4664	0	0	1595	1829	-524	11629	10	11639	1446	13085	49.94
6	4487	1131	306	5924	205	4668	0	0	1837	2057	-608	12246	13	12259	1528	13787	49.93
7	4513	1301	317	6131	165	4641	0	1	2767	2836	-528	13246	13	13259	1628	14887	49.96
8	4480	1279	308	6067	104	4728	0	11	3958	4036	-496	14450	13	14463	1720	16183	49.90
9	4511	1434	326	6271	52	5177	0	68	4284	4431	-660	15339	13	15352	1944	17296	49.94
10	4723	1196	299	6218	60	5374	0	121	4418	4323	-800	15296	13	15309	2254	17563	49.92
11	5047	592	306	5945	35	5644	0	153	4529	4553	-895	15435	13	15448	2433	17881	49.91
12	5081	599	286	5966	24	5636	0	174	4431	4821	-938	15683	13	15696	2473	18169	49.95
13	5091	889	290	6270	25	5565	0	183	3812	3955	-989	15009	13	15022	2471	17493	50.01
14	5062	350	285	5697	36	5807	0	178	3768	3718	-912	14524	14	14538	2356	16894	49.98
15	5053	144	291	5488	71	5829	0	155	4075	3646	-1032	14157	11	14168	2349	16517	49.94
16	5062	81	301	5444	119	5550	0	121	4340	4390	-1090	14534	11	14545	2332	16877	49.91
17	4920	121	290	5331	144	5460	0	56	4049	4242	-1140	14093	11	14104	2314	16418	49.91
18	4878	260	301	5439	140	5435	0	12	2993	2997	-1032	12991	11	13002	2305	15307	49.93
19	4856	675	341	5872	148	5452	0	0	3226	3788	-1072	14188	11	14199	2376	16575	49.93
20	4711	162	413	5286	163	5339	0	0	4060	3952	-1307	13433	11	13444	2440	15884	49.98
21	4590	610	434	5634	139	4971	0	0	3189	3562	-1279	13027	11	13038	2267	15305	49.97
22	4571	1121	460	6152	132	4947	0	0	1969	2199	-1218	12212	11	12223	2135	14358	49.99
23	4494	1154	461	6109	103	4918	0	0	1940	1567	-1003	11694	11	11705	1967	13672	49.91
24	4470	1106	469	6045	127	4823	0	0	1633	1373	-897	11471	11	11482	1818	13300	49.97
MUs	113.36	18.00	8.02	139.38	2.69	123.23	0.00	1.23	72.18	73.70	-20.91	319.32	0.28	319.61	48.73	368.34	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 02/Jan/2016

Position as on 6.30 Hrs of 03/Jan/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,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50		Continued.	Capital Overhaul.	
MSPGCL	Koyana Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
RINFRA-G	REL Unit 1	250	03/01/2016	23.46		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.	Water Shortage	
RGPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Water 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	
RGPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Water Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Decommissioned w.e.f 01.04.2016	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Decommissioned w.e.f 10.05.2016	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage (Zero Schedule by MSDDL at 21:51 Hrs on 30.09.2016)	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage and Continued under economic shutdown from 01.04.2016	
MSPGCL	Parli Unit 5	210	06/07/2015	14:55		Continued.	Water Shortage and Continued under economic shutdown from 01.04.2016	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
IPP	Adani U-4	660	14/12/2015	06.55		Continued.	Hot air line leakage	
IPP	JSW (J) U3	300	23/12/2015	13.18		Continued.	Economic shutdown	
CPP	WPCL U-3	135	29/12/2015	05.56		Continued.	PA Fan problem	
CENT.SECTOR	TARAPUR-3	540	31/12/2015	18.09		Continued.	Tripped on Jerk on 400KV Kalwa-Padgha Line	
MSPGCL	Koradi Unit 5	200	01/01/2016	00.12		Continued.	ID Fan Problem	
MSPGCL	Uran Unit 5	108	01/01/2016	09.20	02/01/2016	17.13	Gas shortage	
TPC-G	Trombay 7B	60	01/01/2016	21.07	03/01/2016	19.25	Replacing fine Filters of GT(48Hrs)	
TPC-G	Trombay 7A	120	01/01/2016	21.37	03/01/2016	13.54	Replacing fine Filters of GT	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 02/Jan/2016

Position as on 6.30 Hrs of 03/Jan/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
							(48Hrs)	
MSPGCL	Koradi Unit-8	660	02/01/2016	01.12		Continued.	LILO arrangement for 400KV koradi I to India Bulls Line and charging of 400 KV koradi II to Wardha(PG) line.	
IPP	RPL(AMT) U-5	270	03/01/2016	07.54		Continued.	Cooling Water Line Leakage.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 02/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 03/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Raichur(PG)-Solapur(PG)- II	InterState	02/01/2016	10.46		Continued.	T	Distance Protection R & Y Ph.
400 KV LINE Outages/Trippings							
Kolhapur Solapur(PG) I	InterState	01/01/2016	16.37	02/01/2016	07.00	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	01/01/2016	17.05	03/01/2016	07.04	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	01/01/2016	18.02	02/01/2016	07.16	T	Over Voltage
Koradi Satpur	InterState	02/01/2016	11.41	02/01/2016	18.02	PO	Attending Hot Spot
Kolhapur Solapur (PG) II	InterState	02/01/2016	17.20	03/01/2016	07.31	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	03/01/2016	16.42		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	03/01/2016	17.11		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	19/12/2015	07.28		Continued.	HT	Over Voltage (RFC 17.58 Hrs)
Karad-Jaigad - I	IntraState	29/12/2015	16.07	03/01/2016	09.17	HT	Over Voltage
karad -kolhapur-I	IntraState	30/12/2015	15.53	02/01/2016	11.16	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	30/12/2015	18.29		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Charged as 765KV Akola-Ektuni Ckt-II
Lonikand I - Koyna stage-IV	IntraState	01/01/2016	16.40	02/01/2016	09.25	HT	Over Voltage
Padghe - Kalwa- I	IntraState	02/01/2016	06.17	02/01/2016	09.30	EO	To remove Earth Wire
Lonikand I - Koyna stage-IV	IntraState	02/01/2016	10.33		Continued.	T	Distance Protection B Ph to Earth.
karad -kolhapur-II	IntraState	02/01/2016	16.10		Continued.	HT	Over Voltage
Padghe - Talegaon (PG)	IntraState	03/01/2016	09.50	03/01/2016	18.12	PO	Replacement of Tower Peak Demand During OPGW Work.
Kalwa - Talegaon(PG)	IntraState	03/01/2016	10.34	03/01/2016	18.26	PO	Replacement of Tower Peak Demand During OPGW Work.
Karad - Jaigad - II	IntraState	03/01/2016	16.12		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	23/12/2015	15.55		Continued.	PO	Y & B Phase Unit replacement(For 10days)
400/220/33 Kv 500 Mva Ict 3 @Dhule	IntraState	02/01/2016	11.05	02/01/2016	20.06	PO	Routine Maintenance Work
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	03/01/2016	06.32	03/01/2016	06.38	HT	To Shift LV Side from A Bus to B Bus to Attend A Bus Outage.
220 KV LINE Outages/Trippings							
Boisar Tarapur	InterState	03/01/2016	08.48	03/01/2016	19.27	PO	Mumbai Strengthening 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.
Wadkhal - Ndl3	IntraState	14/11/2015	10.58		Continued.	PO	Strengthing work
Wadkhal - Ipcl 2	IntraState	19/12/2015	11.00		Continued.	PO	Conductor Replacement Work With High Amacity Conductor.
Parli 2-(Girwali) -Murud	IntraState	31/12/2015	10.15		Continued.	PO	Replacement of Bus and Line side Isolator
REL Borivali Aarey Line	IntraState	02/01/2016	07.35	02/01/2016	18.34	PO	Outage.
Talandge(400kv)- Sawantwadi(Insul	IntraState	02/01/2016	09.05	02/01/2016	17.45	PO	For Cleaning Polluted Insulator String.
Badnera-Akola I	IntraState	02/01/2016	09.12	02/01/2016	18.34	PO	Replacement of Line Insulator.
Parli 3 (Old Gcr)-Osmanabad	IntraState	02/01/2016	10.41		Continued.	PO	B Ph CT Replacement Work.
Urse-Chinchwad	IntraState	02/01/2016	11.35	02/01/2016	23.12	EO	Taken on TBC For Attending Hotspot @ Urse.

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 02/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 03/Jan/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 200 MVA ICT-II @Trombay	IntraState	02/01/2016	11.10	02/01/2016	16.30	T	While Taking Outage @ Group Breaker @ Tata Trombay End.
132 KV LINE Outages/Trippings							
Pusad-Gunj	IntraState	02/01/2016	04.55	02/01/2016	05.25	T	R phase 132KV Bus PT Burst
Umarkhed-Gunj	IntraState	02/01/2016	04.55	02/01/2016	06.15	T	R phase 132KV Bus PT Burst