

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/Jan/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	119.893	1435.356	1) Gujrat	-1.517	-41.858
2) Hydro	9.211	129.922	2) Madhya Pradesh	7.585	77.615
3) Gas	7.504	131.127	3) Chattisgarh	2.850	60.580
Total MSPGCL	136.608	1696.405	4) Maharashtra Net	79.398	997.074
B) 1) APML	46.928	634.931	5) Goa (Amona)	-0.536	-6.911
2) JSWEL	27.446	268.624	6) TAPS 1&2 Injection	3.773	47.871
3) VIPL	9.208	131.291	7) RGPPL Injection	5.232	77.537
4) RPL(AMT)	21.085	300.833	8) Pench (MS)	0.542	5.933
5) WPCL	4.343	59.222	9) Pench (Excess)	-0.542	-5.933
6) Other IPP	10.362	136.973	Total	96.243	1205.975
C) 1) TPCL Thermal	15.285	184.341	a) Mumbai Schedule	15.755	189.573
2) TPCL Hydro	2.072	28.987	b) Mumbai Drawl	22.316	292.099
3) TPCL Gas	4.534	47.489	c) MSEDCL Bilateral *	28.815	247.033
4) R-INFRA Thermal	5.677	83.254	Include PX	-1.956	-75.601
D) STATE			d) Mumbai Bilateral *	15.755	189.573
1) Thermal	260.227	3234.825	Include PX	3.451	28.673
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	11.283	158.909	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	12.038	178.616	1) MSEDCL	332.699	4191.676
4) Wind	1.747	35.056	2) Mumbai Discoms	49.883	636.178
6) SOLAR	1.045	14.465	TOTAL STATE	382.582	4827.854
TOTAL STATE	286.340	3621.871			

* 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 19 Hrs	D. Night Minimum at 2 Hrs
MSPGCL Thermal	5133	5122	5015	4622
MSPGCL Hydro	931	441	579	120
MSPGCL Gas	310	292	305	317
MSPGCL Total Generation	6374	5855	5899	5059
Central Sector Receipt	5270	5171	4726	2472
WIND	33	63	94	149
CPP / IPP	5244	5232	4978	4702
SOLAR	124	163	0	0
Exchange with Mumbai	-1051	-1134	-1262	-565
MSEDCL DEMAND MET	15994	15350	14435	11817
Load Shedding	12	12	9	9
MSEDCL DEMAND	16006	15362	14444	11826
TPCL GENERATION	1234	1149	952	699
R-INFRA GENERATION	255	258	257	203
MUMBAI DEMAND	2540	2541	2471	1467
STATE DEMAND MET	18534	17891	16906	13284
STATE DEMAND	18546	17903	16915	13293
Frequency (Hz)	49.98	49.99	49.99	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.25 Hz at 18:01 Hrs	49.76 Hz at 21:04 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 13/Jan/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.86	24.77	142	110
Unit 6	0.00	0.00	0	0
Unit 7	3.08	46.96	135	120
Unit 8	10.62	36.55	500	220
Total	16.56	108.29		
Bhusawal				
Unit 2	4.18	49.40	180	165
Unit 3	4.12	53.79	180	165
Unit 4	9.70	128.01	405	400
Unit 5	9.73	128.79	420	390
Total	27.74	359.99		
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	33.88	0	0
Unit 3	4.13	54.25	182	165
Unit 4	4.31	55.92	184	170
Unit 5	0.00	0.00	0	0
Unit 6	9.20	119.99	395	375
Unit 7	9.78	126.72	419	389
Total	27.42	390.76		
Paras				
Unit 3	4.80	51.45	209	190
Unit 4	4.90	63.83	222	195
Total	9.70	115.28		
Khaparkheda				
Unit 1	3.76	49.44	165	135
Unit 2	4.06	53.02	180	150
Unit 3	4.05	52.57	172	165
Unit 4	3.80	45.28	160	156
Unit 5	10.15	122.69	500	390
Total	25.80	323.00		
Nasik				
Unit 3	4.79	50.12	205	185
Unit 4	4.38	36.55	192	172
Unit 5	3.50	51.38	197	0
Total	12.67	138.04		
Uran				
All Units	7.50	131.13	332	292
Total	7.50	131.13		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.54	5.93	24	19
Total	0.54	5.93		
Koyna				
Stage 1-2	2.68	48.50	350	35
Stage 4	1.95	28.68	570	0
Stage 3	1.15	16.02	240	0
Total	5.78	93.20		
Hydro				
KDPH	0.46	6.42	37	0
VTRNA	0.63	7.84	61	0
TILLARI	0.00	0.55	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	1.76	80	0
RNGR+BHTSA	0.25	2.70	12	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.74	7.35	31	31
GHATGHAR	1.23	10.10	250	0
Total	3.43	36.73		
Wind				
Total	1.75	35.06	0	0
Total	1.75	35.06		
CPP				
APML(Mus)	46.93	634.93	0	0
JSWEL(Mus)	27.45	268.62	0	0
VIPL(Mus)	9.21	131.29	0	0
RPLAMT(Mus)	21.08	300.83	0	0
WPCL(Mus)	4.34	59.22	0	0
Other(Mus)	10.36	136.97	0	0
Total	119.37	1531.87		
SOLAR				
Total	1.04	14.46	0	0
Total	1.04	14.46		
Tata				
Trombay 5	9.78	115.00	468	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.88	29.97	126	114
Trombay 7B	1.65	17.52	71	66
Trombay 8	5.51	69.35	251	200
TATA Hydro	2.07	28.99	322	0
Total	21.89	260.82		
R-INFRA				
1-2	5.68	83.25	259	203
Total	5.68	83.25		

Infirm Power	Chandrapur 8	0.00
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Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	119.89	1435.36
MSPGCL Thml+Gas	127.40	1566.48

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	9.21	129.92
MSPGCL Total	136.61	1696.40

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	4.63	77.18
State Total	286.34	3621.87

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 13/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													
1	4582	195	316	5093	138	4702	0	2679	2510	-716	11727	14	11741	1616	13357	49.96
2	4622	120	317	5059	149	4702	0	2682	2472	-565	11817	9	11826	1467	13293	49.97
3	4657	125	327	5109	144	4738	0	2489	2430	-508	11913	9	11922	1410	13332	49.97
4	4772	115	317	5204	106	4736	0	2472	2491	-474	12063	9	12072	1374	13446	49.98
5	4852	135	326	5313	53	4749	0	2453	2640	-480	12275	9	12284	1381	13665	49.98
6	4931	204	329	5464	56	4720	0	3180	3473	-598	13115	12	13127	1499	14626	50.00
7	4983	120	323	5426	40	4715	0	4497	4733	-783	14131	12	14143	1682	15825	49.96
8	5001	742	329	6072	31	4766	4	4306	5249	-891	15231	12	15243	1813	17056	49.91
9	5112	1526	332	6970	22	5123	44	4572	5043	-960	16242	12	16254	2131	18385	49.95
10	5139	1061	309	6509	19	5261	100	4856	5244	-1010	16123	12	16135	2395	18530	49.92
11	5133	931	310	6374	33	5244	124	4965	5270	-1051	15994	12	16006	2540	18546	49.98
12	5104	830	310	6244	63	5264	159	5001	5154	-1137	15747	12	15759	2599	18358	49.98
13	5122	441	292	5855	63	5232	163	4981	5171	-1134	15350	12	15362	2541	17903	49.99
14	5076	160	302	5538	72	5261	149	4895	5001	-1048	14973	12	14985	2436	17421	50.03
15	5082	88	302	5472	72	5274	145	4897	4886	-1026	14823	9	14832	2414	17246	49.98
16	5108	133	300	5541	87	5085	97	4899	4812	-1035	14587	9	14596	2423	17019	49.98
17	5106	123	294	5523	79	5067	50	4743	5070	-1180	14609	9	14618	2429	17047	49.97
18	5032	434	305	5771	69	4966	10	3667	3843	-1166	13493	9	13502	2404	15906	50.00
19	5015	579	305	5899	94	4978	0	4390	4726	-1262	14435	9	14444	2471	16915	49.99
20	5087	315	305	5707	62	4999	0	4786	4641	-1259	14150	9	14159	2451	16610	49.98
21	5086	173	312	5571	57	4958	0	4177	4125	-1167	13544	9	13553	2346	15899	49.98
22	5113	367	310	5790	89	4962	0	2948	2830	-1065	12606	9	12615	2224	14839	50.03
23	5103	152	320	5575	83	4955	0	2833	2223	-946	11890	9	11899	2060	13959	49.99
24	5075	142	312	5529	66	4915	0	2424	2206	-855	11861	9	11870	1778	13648	49.98
MUs	119.89	9.21	7.50	136.61	1.75	119.37	1.05	93.79	96.24	-22.32	332.70	0.25	332.95	49.88	382.83	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 13/Jan/2016

Position as on 6.30 Hrs of 14/Jan/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
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	
RINFRA-G	REL Unit 1	250	03/01/2016	23.46		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 2A	230	06/06/2013	09.10		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	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		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	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
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	
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	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
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	
MSPGCL	Chandrapur Unit 5	500	27/12/2015	18.50		Continued.	Capital Overhaul.	
MSPGCL	Koyana STG-IV Unit-3	250	06/01/2016	11.00		Continued.	Spherical Valve Problem	
CPP	WPCL U-1	135	07/01/2016	02.00		Continued.	Withdrawn, changeover to Unit-3	
IPP	RPL(AMT) U-5	270	11/01/2016	04.49	13/01/2016	14.27	P.A.Fan Problem.	
MSPGCL	Nasik Unit 5	210	11/01/2016	09.10	13/01/2016	03.12	Damper Tank low level protection.	
MSPGCL	Chandrapur Unit 2	210	12/01/2016	04.47		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 8	108	12/01/2016	18.07		Continued.	Gas shortage	
MSPGCL	Uran Unit B0	120	12/01/2016	18.07		Continued.	Gas shortage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/Jan/2016

Statement-VII

Position as on 6.30 Hrs of 14/Jan/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	12/01/2016	13.05	13/01/2016	07.07	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	12/01/2016	21.57	13/01/2016	07.27	HT	Over Voltage
Dabhol Newkoyna li	InterState	13/01/2016	09.00		Continued.	PO	Annual Maintenance Work
Koradi Bhilai	InterState	13/01/2016	10.34	13/01/2016	20.03	PO	Annual Maintenance Work
Dhule Sar'Sarovar I	InterState	13/01/2016	16.22	14/01/2016	06.38	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	13/01/2016	17.19	14/01/2016	06.46	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	31/12/2015	18.16		Continued.	HT	Change over
Babhaleshwar-Taptitanda ckt-II	IntraState	09/01/2016	11.53		Continued.	PO	Change Over.
karad -kolhapur-I	IntraState	12/01/2016	16.08	13/01/2016	09.37	HT	Over Voltage
Karad - Jaigad - II	IntraState	12/01/2016	16.10	13/01/2016	09.40	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	12/01/2016	17.07	13/01/2016	07.07	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	12/01/2016	21.11	13/01/2016	10.15	HT	Over Voltage
karad -kolhapur-II	IntraState	13/01/2016	16.10		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	13/01/2016	16.14		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	13/01/2016	16.52		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	13/01/2016	17.03	14/01/2016	06.51	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/220kV 315MVA ICT-I@Parly	IntraState	13/01/2016	11.55	14/01/2016	00.46	PO	Diagnostic testing work
220 KV LINE Outages/Trippings							
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.
Parli 2-(Girwali) -Murud	IntraState	31/12/2015	10.15		Continued.	PO	Replacement of Bus and Line side Isolator
Dahanu Versova	IntraState	04/01/2016	08.35		Continued.	PO	Dismantling of broad base tower & Erection of narrow base tower.
Boisar Versova Line	IntraState	04/01/2016	08.47		Continued.	PO	Dismantling of broad base tower & Erection of narrow base tower.
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.
Bableshtar- Alephata	IntraState	12/01/2016	07.01		Continued.	HT	BBLR ICT Over loading
Karad - Vita Ckt- I	IntraState	13/01/2016	10.48	13/01/2016	19.03	PO	Insulator Replacement Work
Boisar II - Tarapur	IntraState	13/01/2016	14.37	13/01/2016	17.26	PO	Taken on TBC to attend damage isolator connecting rod work
Dahanu Boisar Line	IntraState	13/01/2016	17.47	13/01/2016	19.12	T	Psb.optd. Tripped at Boisar end only
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
Carnac : 220 / 110 / 33 315 MVA ICT 5	IntraState	07/01/2016	05.10		Continued.	T	Failure of 33KV Spare Breaker
100MVA ICT - I @ Boisar-II	IntraState	13/01/2016	09.55	13/01/2016	12.28	PO	Testing Work
220/22 Kv 50 Mva Areva Ptr 2 @Mulund	IntraState	13/01/2016	10.38	13/01/2016	18.43	PO	Testing Work

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