

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 01/Jul/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	112.304	112.304	1) Gujrat	-10.185	-10.185
2) Hydro	4.459	4.459	2) Madhya Pradesh	5.401	5.401
3) Gas	5.879	5.879	3) Chattisgarh	5.470	5.470
Total MSPGCL	122.642	122.642	4) Maharashtra Net	51.770	51.770
B) 1) APML	41.360	41.360	5) Goa (Amona)	-0.868	-0.868
2) JSWEL	16.546	16.546	6) TAPS 1&2 Injection	3.679	3.679
3) VIPL	10.101	10.101	7) RGPPL Injection	11.631	11.631
4) RPL(AMT)	3.657	3.657	8) Pench (MS)	0.165	0.165
5) WPCL	4.118	4.118	9) Pench (Excess)	-0.165	-0.165
6) Other IPP	3.142	3.142	Total	66.733	66.733
C) 1) TPCL Thermal	15.433	15.433	a) Mumbai Schedule	18.247	18.247
2) TPCL Hydro	1.223	1.223	b) Mumbai Drawl	25.266	25.266
3) TPCL Gas	3.862	3.862	c) MSEDCL Bilateral *	27.526	27.526
4) R-INFRA Thermal	11.315	11.315	Include PX	-6.944	-6.944
D) STATE			d) Mumbai Bilateral *	18.247	18.247
1) Thermal	217.976	217.976	Include PX	0.626	0.626
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	5.682	5.682	H) ENERGY CATERED (MUs)		
3) Gas	9.741	9.741	1) MSEDCL	287.155	287.155
4) Wind	43.129	43.129	2) Mumbai Discoms	57.099	57.099
6) SOLAR	0.993	0.993	TOTAL STATE	344.254	344.254
TOTAL STATE	277.521	277.521			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4713	4552	4871	4688
MSPGCL Hydro	88	88	458	48
MSPGCL Gas	243	237	237	251
MSPGCL Total Generation	5044	4877	5566	4987
Central Sector Receipt	3480	2913	3799	1786
WIND	2106	1744	1258	1837
CPP / IPP	3319	3239	3507	3128
SOLAR	104	135	0	0
Exchange with Mumbai	-1354	-1312	-1078	-591
MSEDCL DEMAND MET	12699	11596	13052	11147
Load Shedding	0	0	0	0
MSEDCL DEMAND	12699	11596	13052	11147
TPCL GENERATION	820	1066	972	665
R-INFRA GENERATION	507	514	513	402
MUMBAI DEMAND	2681	2892	2563	1658
STATE DEMAND MET	15380	14488	15615	12805
STATE DEMAND	15380	14488	15615	12805
Frequency (Hz)	49.99	49.99	49.97	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 22.00 Hrs	49.8 Hz at 14.51 Hrs	49.99	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 01/Jul/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.32	0.32	150	0
Unit 6	0.00	0.00	0	0
Unit 7	0.60	0.60	152	0
Unit 8	11.70	11.70	502	480
Total	12.62	12.62		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.84	3.84	165	150
Unit 4	9.10	9.10	390	330
Unit 5	9.00	9.00	380	327
Total	21.93	21.93		
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	4.02	4.02	190	156
Unit 4	4.01	4.01	182	162
Unit 5	8.68	8.68	380	345
Unit 6	8.87	8.87	415	347
Unit 7	8.25	8.25	381	320
Unit 8	2.92	2.92	169	64
Total	36.75	36.75		
Paras				
Unit 3	4.97	4.97	242	189
Unit 4	5.06	5.06	260	194
Total	10.03	10.03		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	3.84	3.84	165	150
Unit 3	3.98	3.98	168	162
Unit 4	3.91	3.91	164	162
Unit 5	9.81	9.81	500	385
Total	21.54	21.54		
Nasik				
Unit 3	4.16	4.16	195	165
Unit 4	0.00	0.00	0	0
Unit 5	3.78	3.78	178	63
Total	7.95	7.95		
Uran				
All Units	5.88	5.88	255	232
Total	5.88	5.88		
PENCH (MS)				
Pench (MS)	0.16	0.16	70	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.16	0.16		
Koyna				
Stage 1-2	1.41	1.41	225	40
Stage 4	0.19	0.19	100	0
Stage 3	0.93	0.93	80	0
Total	2.53	2.53		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.50	0.50	59	0
TILLARI	0.00	0.00	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.35	0.35	40	0
RNGR+BHTSA	0.12	0.12	8	0
BHANDARDRA	0.00	0.00	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	0.96	0.96	240	0
Total	1.93	1.93		
Wind				
Total	43.13	43.13	0	0
Total	43.13	43.13		
CPP				
APML(Mus)	41.36	41.36	0	0
JSWEL(Mus)	16.55	16.55	0	0
VIPL(Mus)	10.10	10.10	0	0
RPLAMT(Mus)	3.66	3.66	0	0
WPCL(Mus)	4.12	4.12	0	0
Other(Mus)	3.14	3.14	0	0
Total	78.92	78.92		
SOLAR				
Total	0.99	0.99	0	0
Total	0.99	0.99		
Tata				
Trombay 5	9.86	9.86	478	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.43	2.43	115	89
Trombay 7B	1.43	1.43	64	55
Trombay 8	5.58	5.58	252	203
TATA Hydro	1.22	1.22	260	0
Total	20.52	20.52		
R-INFRA				
1-2	11.32	11.32	514	402
Total	11.32	11.32		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	1.49	1.49	MSPGCL Thermal	112.30	112.30	MSPGCL Total	122.64	122.64
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	118.18	118.18	Koyna 1,2 & 4 Total	1.60	1.60
Parli 8	0.00	0.00	MSPGCL Hydro	4.46	4.46	State Total	277.52	277.52

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 01/Jul/2016

Annexure-2

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	4787	48	252	5087	2057	3150	0	2664	2525	-707	12112	0	12112	1914	14026	49.96
2	4791	53	242	5086	2023	3148	0	2467	2045	-629	11673	0	11673	1722	13395	49.99
3	4692	53	252	4997	1982	3147	0	2020	2023	-604	11545	0	11545	1672	13217	49.94
4	4688	48	251	4987	1837	3128	0	1723	1786	-591	11147	0	11147	1658	12805	49.98
5	4665	48	253	4966	1741	2977	0	1795	2411	-596	11499	0	11499	1663	13162	49.95
6	4615	53	250	4918	1774	3121	0	2754	2882	-695	12000	0	12000	1763	13763	49.96
7	4615	53	237	4905	1746	3193	2	3334	3590	-833	12603	0	12603	1901	14504	49.97
8	4842	208	250	5300	1684	3231	26	3421	3555	-936	12860	0	12860	2029	14889	50.03
9	4839	157	239	5235	1910	3362	54	3789	3399	-1303	12657	0	12657	2407	15064	50.00
10	4713	88	243	5044	2106	3319	104	3827	3480	-1354	12699	0	12699	2681	15380	49.99
11	4688	93	234	5015	1988	3407	114	3520	3056	-1412	12168	0	12168	2951	15119	49.98
12	4665	93	250	5008	1921	3411	138	3151	3112	-1333	12257	0	12257	2974	15231	49.97
13	4552	88	237	4877	1744	3239	135	2941	2913	-1312	11596	0	11596	2892	14488	49.99
14	4597	126	232	4955	1691	3104	121	2722	2690	-1253	11308	0	11308	2815	14123	49.97
15	4572	171	245	4988	1789	3262	117	2950	2674	-1307	11523	0	11523	2836	14359	49.91
16	4578	204	234	5016	1958	3348	85	3003	2484	-1350	11541	0	11541	2849	14390	50.00
17	4642	197	249	5088	2124	3385	64	2355	1957	-1291	11327	0	11327	2746	14073	50.01
18	4620	183	240	5043	2093	3376	29	1992	2005	-1342	11204	0	11204	2800	14004	50.03
19	4601	498	248	5347	1996	3296	4	1733	2329	-1327	11645	0	11645	2710	14355	49.99
20	4630	693	250	5573	1450	3332	0	2600	3318	-1262	12411	0	12411	2639	15050	49.97
21	4871	458	237	5566	1258	3507	0	3495	3799	-1078	13052	0	13052	2563	15615	49.97
22	4845	416	249	5510	1281	3595	0	3024	3306	-996	12696	0	12696	2420	15116	49.99
23	4727	247	255	5229	1472	3573	0	3198	2625	-971	11928	0	11928	2342	14270	50.09
24	4469	183	250	4902	1504	3309	0	3045	2769	-784	11700	0	11700	2152	13852	50.10
MUs	112.30	4.46	5.88	122.64	43.13	78.92	0.99	67.52	66.73	-25.27	287.15	0.00	287.15	57.10	344.25	49.99

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 01/Jul/2016

Position as on 6.30 Hrs of 02/Jul/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	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
CENT.SECTOR	TARAPUR-3	540	23/05/2016	20.30		Continued.	Annual Maintenance Work.	
IPP	JSW (J) U3	300	21/06/2016	18.15		Continued.	Capital Overhaul	
MSPGCL	Khaparkhedda Unit 1	210	25/06/2016	23.45		Continued.	A.O.H.	
MSPGCL	Koyna Unit 8	80	29/06/2016	08.20		Continued.	Turbine Maintenance Work.	
MSPGCL	Koyna STG- IV Unit - 1	250	29/06/2016	09.00		Continued.	Attending Servo Motor Oil Leakage(15 Days).	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		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	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No Schedule	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	Adani U-3	660	20/04/2016	03.33	01/07/2016	12.31	Furnace Pressure High	
IPP	Adani U-5	660	05/05/2016	23.09	01/07/2016	07.23	Due to Unavailblity of Water.	
RGPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vaccum	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule From MSSEDCL	
MSPGCL	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Schedule from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-2	270	18/06/2016	06.54		Continued.	Zero Shedule.	
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	Water Shortage.	
RGPL	Dabhol 2B	230	20/06/2016	13.03		Continued.	Change Over.	
MSPGCL	Uran Unit B0	120	27/06/2016	06.42		Continued.	Maintenance work	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 01/Jul/2016

Position as on 6.30 Hrs of 02/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Uran Unit 8	108	27/06/2016	06.43		Continued.	Maintenance work	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero schedule by MSEDCL	
MSPGCL	Nasik Unit 5	210	30/06/2016	08.10	01/07/2016	00.30	Turbine Problem	
IPP	RPL(AMT) U-4	270	30/06/2016	10.11		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 5	200	01/07/2016	02.23		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koradi Unit 7	210	01/07/2016	04.43		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Chandrapur Unit 9	500	01/07/2016	11.40	01/07/2016	15.39	Turbine Vibration	
IPP	Adani U-5	660	01/07/2016	12.57		Continued.	Replacement with U-3	
IPP	RPL(AMT) U-1	270	01/07/2016	18.40		Continued.	Zero Schedule	
MSPGCL	Bhusawal Unit 4	500	01/07/2016	23.55		Continued.	Zero Schedule	
MSPGCL	Bhusawal Unit 5	500	01/07/2016	23.59		Continued.	Zero Schedule	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 01/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 02/Jul/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	28/06/2016	17.42		Continued.	HT	Over Voltage
Chandrapur II - Dhariwal -I	InterState	29/06/2016	09.07		Continued.	PO	Quarterly Maintainance Work
Kolhapur Solapur (PG) II	InterState	30/06/2016	17.06		Continued.	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	02/07/2016	00.22		Continued.	T	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	21/06/2016	16.51	01/07/2016	17.56	HT	To Control Load on Padgha-BBLSR Line
Karad-Jaigad - I	IntraState	23/06/2016	13.12		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	25/06/2016	14.08		Continued.	HT	Over Voltage
Chandrapur - Khaperkheda	IntraState	30/06/2016	09.39		Continued.	PO	Routine Maintenance Work
Khadka-Aurangabad (Waluj)	IntraState	30/06/2016	15.58		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/06/2016	21.11	01/07/2016	08.55	HT	Over Voltage
Girwali-Solapur (Lamboti)	IntraState	01/07/2016	12.19	01/07/2016	15.56	PO	Work at solapur end
Main Bus-I @ Koradi-II	IntraState	01/07/2016	12.42	01/07/2016	18.59	PO	Dyanamic testing and forward charging of U-10
Ektuni-Bableshwar ckt I	IntraState	01/07/2016	18.00		Continued.	HT	To control Load on Padgha-BBLSR Line
Lonikand I - Koyna stage-IV	IntraState	01/07/2016	21.54		Continued.	HT	Over Voltage
Akola-Nandgaonpeth (RPL)	IntraState	02/07/2016	03.42	02/07/2016	06.02	T	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	24/06/2016	19.25		Continued.	PO	shifted on TBC for main bus 1&2 outage
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/07/2016	03.03		Continued.	T	Distance Protection
Mudshingi - Chikodi	InterState	01/07/2016	03.03		Continued.	T	Distance Protection
Vasai Boiser(PG)	InterState	01/07/2016	11.48	01/07/2016	14.59	PO	CT to Gantree conductor repl.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.
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).
Aurangabad (Waluj)-Bhenda	IntraState	22/06/2016	23.02		Continued.	HT	Hand Tripped.
Theur-Phursungi	IntraState	28/06/2016	09.48		Continued.	PO	Taken on TBC at Theur
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Trombay Salsette 1 Backbay	IntraState	29/06/2016	11.05		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.
Shivajinagar - Satana	IntraState	01/07/2016	02.35	01/07/2016	11.52	T	Distance Protection
Dahanu-Viraj	IntraState	01/07/2016	11.42	01/07/2016	16.12	HT	To control load Kalwa-Borivali line
Kalwa - Borivali	IntraState	01/07/2016	20.00	01/07/2016	20.48	T	Distance Protection
Kalwa - Borivali	IntraState	01/07/2016	20.48	02/07/2016	00.04	HT	Heavy sparking on R Phase W.T.at Borivali end
Pedambe-Nerle	IntraState	02/07/2016	03.49		Continued.	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)
100MVA ICT - I @ Boisar-II	IntraState	01/07/2016	13.51	01/07/2016	15.27	T	Tripped on PRV

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 01/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 02/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
100MVA ICT - I @ Boisar-II	IntraState	01/07/2016	17.04	01/07/2016	17.22	PO	For Bird Nest Removal
132 KV LINE Outages/Trippings							
Gorakshan Tap On Akola-Paras Ckt-I	IntraState	01/07/2016	15.02	01/07/2016	15.18	T	Distance Protection
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 1 Line	IntraState	29/06/2016	11.28		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.
Vasai-Ii - Vasai 2 Line	IntraState	29/06/2016	11.30		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.

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