

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 10/Jul/2016 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	70.879	871.657	1) Gujrat	-15.115	-94.737
2) Hydro	7.059	49.075	2) Madhya Pradesh	6.787	89.590
3) Gas	9.170	63.256	3) Chattisgarh	6.480	65.710
Total MSPGCL	87.108	983.988	4) Maharashtra Net	38.229	518.747
B) 1) APML	54.756	510.400	5) Goa (Amona)	-0.896	-7.660
2) JSWEL	18.857	189.110	6) TAPS 1&2 Injection	3.656	33.990
3) VIPL	10.086	99.525	7) RGPPL Injection	11.708	114.097
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.060	1.484
5) WPCL	2.257	36.011	9) Pench (Excess)	-0.060	-1.484
6) Other IPP	1.697	26.300	Total	50.789	718.253
C) 1) TPCL Thermal	12.446	141.795	a) Mumbai Schedule	16.833	189.804
2) TPCL Hydro	2.392	26.970	b) Mumbai Drawl	20.588	239.898
3) TPCL Gas	3.789	38.714	c) MSEDCL Bilateral *	24.184	224.439
4) R-INFRA Thermal	9.658	101.926	Include PX	-6.333	-98.331
D) STATE			d) Mumbai Bilateral *	16.833	189.804
1) Thermal	180.636	1980.381	Include PX	-0.051	3.539
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	9.451	76.045	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	12.959	101.970	1) MSEDCL	259.898	2791.588
4) Wind	54.588	457.707	2) Mumbai Discoms	48.872	549.302
6) SOLAR	0.348	6.535	TOTAL STATE	308.770	3340.890
TOTAL STATE	257.982	2622.638			

* 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 5 Hrs
MSPGCL Thermal	2957	2861	2990	2983
MSPGCL Hydro	419	468	306	96
MSPGCL Gas	387	362	391	386
MSPGCL Total Generation	3763	3691	3687	3465
Central Sector Receipt	2716	1842	3219	1379
WIND	2410	2320	2057	2282
CPP / IPP	3626	3637	3709	3629
SOLAR	27	76	0	0
Exchange with Mumbai	-780	-957	-1053	-635
MSEDCL DEMAND MET	11762	10609	11619	10120
Load Shedding	0	0	0	0
MSEDCL DEMAND	11762	10609	11619	10120
TPCL GENERATION	894	871	796	685
R-INFRA GENERATION	402	402	402	402
MUMBAI DEMAND	2076	2230	2251	1722
STATE DEMAND MET	13838	12839	13870	11842
STATE DEMAND	13838	12839	13870	11842
Frequency (Hz)	50.02	50.01	50.01	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 18:59 Hrs	49.83 Hz at 14:12 Hrs	50	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 10/Jul/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.32	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.60	0	0
Unit 8	11.10	117.37	505	340
Total	11.10	118.29		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	30.01	0	0
Unit 4	0.00	9.10	0	0
Unit 5	0.00	9.00	0	0
Total	0.00	48.11		
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	3.34	38.22	164	112
Unit 4	3.48	38.51	159	133
Unit 5	8.57	85.91	370	337
Unit 6	8.68	86.61	375	342
Unit 7	8.36	83.53	397	330
Unit 8	0.00	30.11	0	0
Total	32.44	362.89		
Paras				
Unit 3	4.87	47.85	210	195
Unit 4	4.84	48.13	206	195
Total	9.70	95.97		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	19.12	0	0
Unit 3	0.00	19.82	0	0
Unit 4	0.00	28.00	0	0
Unit 5	9.56	97.27	400	372
Total	9.56	164.21		
Nasik				
Unit 3	4.06	40.39	175	165
Unit 4	0.00	0.00	0	0
Unit 5	4.00	39.86	173	161
Total	8.07	80.26		
Uran				
All Units	9.17	63.26	396	362
Total	9.17	63.26		
PENCH (MS)				
Pench (MS)	0.06	1.48	37	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.06	1.48		
Koyna				
Stage 1-2	1.75	16.79	265	40
Stage 4	0.00	0.28	0	0
Stage 3	2.06	11.77	228	0
Total	3.81	28.84		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.22	3.06	58	0
TILLARI	0.67	3.92	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.56	3.59	40	0
RNGR+BHTSA	0.00	0.12	0	0
BHANDARDRA	1.11	2.41	47	46
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	0.68	7.14	250	0
Total	3.25	20.24		
Wind				
Total	54.59	457.71	0	0
Total	54.59	457.71		
CPP				
APML(Mus)	54.76	510.40	0	0
JSWEL(Mus)	18.86	189.11	0	0
VIPL(Mus)	10.09	99.52	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	2.26	36.01	0	0
Other(Mus)	1.70	26.30	0	0
Total	87.65	865.00		
SOLAR				
Total	0.35	6.54	0	0
Total	0.35	6.54		
Tata				
Trombay 5	7.58	88.85	317	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.38	24.44	115	70
Trombay 7B	1.41	14.27	64	51
Trombay 8	4.86	52.95	205	201
TATA Hydro	2.39	26.97	220	11
Total	18.63	207.48		
R-INFRA				
1-2	9.66	101.93	404	402
Total	9.66	101.93		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	0.00	1.92	MSPGCL Thermal	70.88	871.66	MSPGCL Total	87.11	983.99
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	80.05	934.91	Koyna 1,2 & 4 Total	1.75	17.07
Parli 8	0.00	0.00	MSPGCL Hydro	7.06	49.08	State Total	257.98	2622.64

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 10/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	2937	87	377	3401	2462	3640	0	2478	1960	-944	10519	0	10519	2026	12545	50.00
2	2961	87	379	3427	2432	3636	0	1728	2070	-799	10766	0	10766	1883	12649	49.98
3	2964	87	369	3420	2410	3645	0	1675	1608	-702	10381	0	10381	1788	12169	49.99
4	2949	86	368	3403	2286	3641	0	1452	1471	-670	10131	0	10131	1738	11869	49.98
5	2983	96	386	3465	2282	3629	0	1508	1379	-635	10120	0	10120	1722	11842	49.97
6	2992	86	385	3463	2369	3636	0	2479	1669	-701	10436	0	10436	1786	12222	50.01
7	2983	137	377	3497	2472	3617	0	2952	2553	-700	11439	0	11439	1804	13243	50.01
8	3037	264	385	3686	2273	3640	11	2647	2514	-723	11401	0	11401	1879	13280	49.99
9	3030	264	396	3690	2315	3628	21	2662	2435	-802	11287	0	11287	1967	13254	50.03
10	2957	419	387	3763	2410	3626	27	2860	2716	-780	11762	0	11762	2076	13838	50.02
11	2888	808	369	4065	2285	3645	40	2517	2457	-934	11558	0	11558	2182	13740	49.99
12	2897	822	392	4111	2374	3632	42	2284	2226	-955	11430	0	11430	2233	13663	50.03
13	2861	468	362	3691	2320	3637	76	2352	1842	-957	10609	0	10609	2230	12839	50.01
14	2829	272	387	3488	2286	3621	47	2378	2077	-914	10605	0	10605	2179	12784	50.00
15	2830	272	380	3482	2197	3675	34	2018	1796	-826	10358	0	10358	2079	12437	50.01
16	2945	248	391	3584	2178	3677	30	1908	1784	-792	10461	0	10461	2020	12481	50.01
17	2974	277	379	3630	2313	3678	15	1861	1315	-840	10111	0	10111	2005	12116	50.02
18	2990	267	393	3650	2247	3705	5	1739	1662	-831	10438	0	10438	2048	12486	49.99
19	2988	406	392	3786	2212	3676	0	1905	2451	-864	11261	0	11261	2144	13405	50.03
20	2992	455	380	3827	1996	3689	0	2920	2963	-910	11565	0	11565	2214	13779	50.01
21	2990	306	391	3687	2057	3709	0	3069	3219	-1053	11619	0	11619	2251	13870	50.01
22	2991	225	390	3606	2116	3701	0	2779	2712	-1090	11045	0	11045	2235	13280	49.99
23	2971	369	370	3710	2186	3653	0	1909	1982	-1093	10438	0	10438	2210	12648	49.99
24	2940	251	385	3576	2110	3617	0	2034	1928	-1073	10158	0	10158	2174	12332	50.03
MUs	70.88	7.06	9.17	87.11	54.59	87.65	0.35	54.11	50.79	-20.59	259.90	0.00	259.90	48.87	308.77	50.00

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 10/Jul/2016

Position as on 6.30 Hrs of 11/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	
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	
RGPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vacuum	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule From MSEDCL	
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 consent 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.	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero schedule by MSEDCL	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 10/Jul/2016

Position as on 6.30 Hrs of 11/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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	
MSPGCL	Chandrapur Unit 9	500	02/07/2016	07.26		Continued.	M.S.Temp.Low.	
MSPGCL	Khaparkheda Unit 2	210	05/07/2016	23.46		Continued.	Zero Shedule Given By MSEDCL.	
MSPGCL	Khaparkheda Unit 3	210	05/07/2016	23.52		Continued.	Zero Shedule Given By MSEDCL.	
MSPGCL	Khaparkheda Unit 4	210	08/07/2016	03.07		Continued.	Zero Schedule given by MSEDCL.	
IPP	WPCL U-3	135	08/07/2016	15.30		Continued.	Coal Checking.	
MSPGCL	Chandrapur Unit-8	500	08/07/2016	21.07		Continued.	LV Side REF Protection Operated.	
MSPGCL	Bhusawal Unit 3	210	08/07/2016	23.57		Continued.	ID Fan Problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 10/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 11/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV ICT Outages/Trippings							
765/400KV 1500MVA ICT II @ Ektuni	IntraState	09/07/2016	17.38	10/07/2016	01.07	T	R Phase OLTC PRV.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	02/07/2016	00.22		Continued.	T	Over Voltage
Kolhapur Solapur (PG) II	InterState	07/07/2016	03.55		Continued.	T	Over Voltage
Chandrapur Bhadravati III	InterState	10/07/2016	21.01		Continued.	HT	Over Voltage
Dabhol Nagothane I	InterState	10/07/2016	23.42		Continued.	T	Distance Protection
Dabhol Nagothane II	InterState	11/07/2016	01.12		Continued.	T	Conductor snap
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
Ektuni-Bableswhar ckt I	IntraState	01/07/2016	18.00		Continued.	HT	To control Load on Padgha-BBLSR Line
Bhusawal-Aurangabad	IntraState	02/07/2016	16.24		Continued.	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	05/07/2016	08.36		Continued.	PO	Maintenance Work (RFC @ 18.37 Hrs dt 7.7.16)
Koradi-Khaperkheda li	IntraState	09/07/2016	03.45		Continued.	T	Over Voltage
Chandrapur - Khaperkheda	IntraState	09/07/2016	03.45		Continued.	T	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	09/07/2016	21.58		Continued.	HT	Over Voltage
Kalwa - Kharghar	IntraState	10/07/2016	09.41	10/07/2016	17.03	PO	Routine Maintenance Work
Chandrapur-II - Nanded	IntraState	10/07/2016	11.10	10/07/2016	13.14	PO	Tie breaker outage
Warora -IEPL	IntraState	10/07/2016	18.15		Continued.	HT	Due to heavy sparking on isolator
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Bableswhar	IntraState	24/06/2016	19.25		Continued.	PO	shifted on TBC for main bus 1&2 outage
400/220/33 Kv 500 Mva ICT III @Waluj	IntraState	08/07/2016	08.32		Continued.	PO	Recommising of Removed R Phase Unit(for 7 Days).
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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42		Continued.	PO	Tower Erection Work.
Aurangabad (Waluj)-Bhenda	IntraState	22/06/2016	23.02		Continued.	HT	Hand Tripped.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Padgha-Temghar-II	IntraState	09/07/2016	09.29	10/07/2016	22.10	HT	For Bus Outage.
Padgha - Temghar I	IntraState	09/07/2016	09.29	10/07/2016	22.06	HT	For Bus Outage.
Karad - Sadawagpur I	IntraState	10/07/2016	06.10		Continued.	T	Distance Protection
Borivali - Ghodbunder	IntraState	10/07/2016	12.17	10/07/2016	13.33	PO	Shifting on own breaker
Shivajinagar - Satana	IntraState	10/07/2016	14.16	10/07/2016	16.15	PO	Attending Hot Spot
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)
220/132 Kv 200 Mva Cgl Ict @Satana	IntraState	09/07/2016	11.50		Continued.	PO	Tap Changing Work.
220/100 Kv 200 MVA ICT IV @Padghe	IntraState	09/07/2016	16.51		Continued.	EO	A Bus Isolator Operating Problem.
100 KV LINE Outages/Trippings							

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 10/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 11/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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.
Kalwa- Nocil II	IntraState	10/07/2016	08.21	10/07/2016	08.57	T	100kv bus section L.A.burst of reliance NOCIL feeder
Kalwa - Nocil 1	IntraState	10/07/2016	08.21	10/07/2016	08.54	T	100kv bus section L.A.burst of reliance NOCIL feeder

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