

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 05/Jul/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	92.962	475.018	1) Gujrat	-8.402	-40.240
2) Hydro	5.670	24.357	2) Madhya Pradesh	10.014	44.019
3) Gas	5.911	29.283	3) Chattisgarh	6.330	31.550
Total MSPGCL	104.543	528.658	4) Maharashtra Net	51.494	276.876
B) 1) APML	49.733	230.350	5) Goa (Amona)	-1.072	-3.690
2) JSWEL	19.493	92.721	6) TAPS 1&2 Injection	3.655	15.669
3) VIPL	10.086	50.454	7) RGPPL Injection	11.693	58.537
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.051	1.078
5) WPCL	4.371	21.115	9) Pench (Excess)	-0.051	-1.078
6) Other IPP	3.050	15.410	Total	73.661	381.643
C) 1) TPCL Thermal	15.142	74.699	a) Mumbai Schedule	20.651	96.144
2) TPCL Hydro	4.428	12.551	b) Mumbai Drawl	23.692	115.149
3) TPCL Gas	3.789	19.185	c) MSEDCL Bilateral *	29.596	110.615
4) R-INFRA Thermal	10.767	53.383	Include PX	-4.549	-57.124
D) STATE			d) Mumbai Bilateral *	20.651	96.144
1) Thermal	205.604	1016.807	Include PX	0.429	1.617
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	10.098	36.908	H) ENERGY CATERED (MUs)		
3) Gas	9.700	48.468	1) MSEDCL	285.145	1420.317
4) Wind	42.972	207.515	2) Mumbai Discoms	57.818	274.967
6) SOLAR	0.928	3.943	TOTAL STATE	342.963	1695.284
TOTAL STATE	269.302	1313.641			

* 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	3839	3939	3947	3807
MSPGCL Hydro	444	231	122	114
MSPGCL Gas	245	246	252	248
MSPGCL Total Generation	4528	4416	4321	4169
Central Sector Receipt	3765	3287	3629	2760
WIND	1677	1879	1920	1455
CPP / IPP	3659	3376	3806	3358
SOLAR	101	109	0	0
Exchange with Mumbai	-1312	-1280	-1047	-579
MSEDCL DEMAND MET	12418	11787	12629	11163
Load Shedding	0	0	0	0
MSEDCL DEMAND	12418	11787	12629	11163
TPCL GENERATION	1165	1210	1106	710
R-INFRA GENERATION	496	505	505	402
MUMBAI DEMAND	2973	2995	2658	1691
STATE DEMAND MET	15391	14782	15287	12854
STATE DEMAND	15391	14782	15287	12854
Frequency (Hz)	49.96	49.97	49.90	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 13.02 Hrs	49.75 Hz at 19.57 Hrs	49.96	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 05/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	11.66	58.27	510	480
Total	11.66	59.19		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.86	19.26	165	155
Unit 4	0.00	9.10	0	0
Unit 5	0.00	9.00	0	0
Total	3.86	37.35		
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	3.95	19.91	169	155
Unit 4	3.86	19.64	174	147
Unit 5	8.41	43.14	369	335
Unit 6	8.38	43.57	365	310
Unit 7	8.38	41.58	362	336
Unit 8	5.95	13.91	308	0
Total	38.92	181.74		
Paras				
Unit 3	4.74	23.80	215	180
Unit 4	4.63	23.98	208	165
Total	9.37	47.78		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	3.76	19.12	165	105
Unit 3	3.90	19.82	165	125
Unit 4	3.92	19.62	167	160
Unit 5	9.50	48.58	400	385
Total	21.07	107.15		
Nasik				
Unit 3	4.04	20.15	170	160
Unit 4	0.00	0.00	0	0
Unit 5	4.04	19.74	180	162
Total	8.08	39.88		
Uran				
All Units	5.91	29.28	255	236
Total	5.91	29.28		
PENCH (MS)				
Pench (MS)	0.05	1.08	19	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.05	1.08		
Koyna				
Stage 1-2	1.68	7.71	300	40
Stage 4	0.00	0.23	0	0
Stage 3	1.70	5.82	160	0
Total	3.39	13.76		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	2.84	0	0
TILLARI	1.27	2.64	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.43	1.81	40	0
RNGR+BHTSA	0.00	0.12	0	0
BHANDARDRA	0.08	0.62	4	3
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	0.51	2.57	125	0
Total	2.28	10.60		
Wind				
Total	42.97	207.52	0	0
Total	42.97	207.52		
CPP				
APML(Mus)	49.73	230.35	0	0
JSWEL(Mus)	19.49	92.72	0	0
VIPL(Mus)	10.09	50.45	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	4.37	21.12	0	0
Other(Mus)	3.05	15.41	0	0
Total	86.73	413.71		
SOLAR				
Total	0.93	3.94	0	0
Total	0.93	3.94		
Tata				
Trombay 5	9.68	47.51	479	316
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.38	12.07	115	75
Trombay 7B	1.41	7.11	64	52
Trombay 8	5.46	27.19	245	200
TATA Hydro	4.43	12.55	350	64
Total	23.36	106.44		
R-INFRA				
1-2	10.77	53.38	507	402
Total	10.77	53.38		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	1.92
Koradi 9	0.00	0.00
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	92.96	475.02
MSPGCL Thml+Gas	98.87	504.30
MSPGCL Hydro	5.67	24.36

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	104.54	528.66
Koyna 1,2 & 4 Total	1.68	7.94
State Total	269.30	1313.64

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/Jul/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	3678	266	248	4192	1704	3401	0	3679	2984	-800	11481	0	11481	1939	13420	49.98
2	3651	125	248	4024	1627	3374	0	3001	2736	-661	11100	0	11100	1802	12902	49.97
3	3787	103	247	4137	1628	3369	0	2701	2645	-624	11155	0	11155	1750	12905	49.96
4	3807	114	248	4169	1455	3358	0	2634	2760	-579	11163	0	11163	1691	12854	49.97
5	3870	102	250	4222	1461	3377	0	2641	2709	-550	11219	0	11219	1684	12903	49.97
6	3841	323	241	4405	1492	3395	0	2906	3362	-638	12016	0	12016	1779	13795	49.91
7	3903	488	249	4640	1443	3446	4	3686	3813	-762	12584	0	12584	1908	14492	49.94
8	3829	394	237	4460	1514	3579	25	3897	4188	-939	12827	0	12827	2093	14920	49.98
9	3856	435	249	4540	1509	3671	60	4097	4007	-1169	12618	0	12618	2353	14971	49.99
10	3820	429	236	4485	1610	3705	84	4099	3960	-1298	12546	0	12546	2767	15313	49.97
11	3839	444	245	4528	1677	3659	101	4107	3765	-1312	12418	0	12418	2973	15391	49.96
12	3916	347	240	4503	1753	3414	129	4147	3659	-1309	12149	0	12149	3049	15198	49.98
13	3939	231	246	4416	1879	3376	109	3733	3287	-1280	11787	0	11787	2995	14782	49.97
14	3960	148	236	4344	2033	3447	104	3089	2906	-1215	11619	0	11619	2892	14511	50.00
15	3954	143	248	4345	2125	3603	112	2394	2408	-1125	11468	0	11468	2867	14335	49.89
16	3920	143	239	4302	2178	3737	98	2033	2274	-1115	11474	0	11474	2853	14327	49.99
17	3930	143	250	4323	2135	3808	77	2895	2396	-1182	11557	0	11557	2845	14402	49.99
18	3972	288	252	4512	1813	3794	19	1942	2384	-1092	11430	0	11430	2813	14243	49.98
19	3988	148	252	4388	1917	3778	6	3455	3164	-1054	12199	0	12199	2721	14920	49.98
20	3947	122	252	4321	1920	3806	0	3762	3629	-1047	12629	0	12629	2658	15287	49.90
21	3940	253	241	4434	2097	4091	0	3395	2811	-977	12456	0	12456	2569	15025	49.89
22	3903	208	251	4362	2133	3941	0	3157	2516	-996	11956	0	11956	2425	14381	49.93
23	3920	145	255	4320	2025	3815	0	3458	2626	-991	11795	0	11795	2273	14068	49.96
24	3792	128	251	4171	1844	3790	0	3233	2672	-977	11500	0	11500	2119	13619	49.98
MUs	92.96	5.67	5.91	104.54	42.97	86.73	0.93	78.14	73.66	-23.69	285.15	0.00	285.15	57.82	342.96	49.96

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 05/Jul/2016

Position as on 6.30 Hrs of 06/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	Khaparkheda 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.	
MSPGCL	Uran Unit B0	120	27/06/2016	06.42		Continued.	Maintenance work	
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	
IPP	RPL(AMT) U-4	270	30/06/2016	10.11		Continued.	Zero Schedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 05/Jul/2016

Position as on 6.30 Hrs of 06/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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.	
IPP	Adani U-5	660	01/07/2016	12.57	05/07/2016	12.49	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	
MSPGCL	Chandrapur Unit 9	500	02/07/2016	07.26		Continued.	M.S.Temp.Low.	
MSPGCL	Chandrapur Unit-8	500	04/07/2016	20.30	05/07/2016	01.55	Flame Failure	
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.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 05/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 06/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	05/07/2016	16.12	05/07/2016	19.57	PO	PRV Operated.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar II	InterState	02/07/2016	00.22		Continued.	T	Over Voltage
Kolhapur Solapur (PG) II	InterState	04/07/2016	21.00		Continued.	HT	Over Voltage
Koradi Satpur	InterState	05/07/2016	09.04	05/07/2016	19.25	PO	Work By WRTS-1.
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-Bableshwar 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
Lonikand I - Koyna stage-IV	IntraState	02/07/2016	22.00	05/07/2016	07.17	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	05/07/2016	08.36		Continued.	PO	Annual Maintenance Work
Akola-Nandgaonpeth (RPL)	IntraState	05/07/2016	12.58	05/07/2016	19.27	T	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	05/07/2016	13.15		Continued.	HT	Over Voltage
Akola-Nandgaonpeth (RPL)	IntraState	06/07/2016	01.10		Continued.	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
400/220 Kv 500 MVA ICT II @Lamboti	IntraState	04/07/2016	11.39	05/07/2016	06.25	PO	CTR Fire Protection 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.
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
Trombay Salsette 1 Backbay	IntraState	29/06/2016	11.05		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.
Mahad - Pedambe	IntraState	05/07/2016	09.05	05/07/2016	11.05	EO	Conductor Repair.
Theur-Phursungi	IntraState	05/07/2016	16.36	05/07/2016	19.52	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)
220/132-110/11kv 200MVA ICT 1 @Miraj	IntraState	05/07/2016	11.06	05/07/2016	13.36	PO	Quarterly Maintenance Work
220/100 Kv 200 MVA ICT I @Apta	IntraState	05/07/2016	11.19	05/07/2016	14.19	PO	Distance Relay Testing Work
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.
Kandalgaon - Roha II	IntraState	05/07/2016	10.45	05/07/2016	16.30	PO	Annual Maintenance Work

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