

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 04/Jul/2016 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	89.499	382.056	1) Gujrat	-7.234	-31.838
2) Hydro	5.008	18.687	2) Madhya Pradesh	11.516	34.005
3) Gas	5.857	23.372	3) Chattisgarh	6.900	25.220
Total MSPGCL	100.364	424.115	4) Maharashtra Net	56.362	225.382
B) 1) APML	46.259	180.617	5) Goa (Amona)	-0.500	-2.618
2) JSWEL	20.489	73.228	6) TAPS 1&2 Injection	3.379	12.014
3) VIPL	10.087	40.368	7) RGPPL Injection	11.670	46.844
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.330	1.027
5) WPCL	4.351	16.744	9) Pench (Excess)	-0.330	-1.027
6) Other IPP	3.015	12.360	Total	81.763	307.982
C) 1) TPCL Thermal	14.305	59.557	a) Mumbai Schedule	20.572	75.494
2) TPCL Hydro	3.658	8.123	b) Mumbai Drawl	24.777	91.457
3) TPCL Gas	3.870	15.396	c) MSEDCL Bilateral *	26.801	81.019
4) R-INFRA Thermal	10.669	42.616	Include PX	-7.810	-52.575
D) STATE			d) Mumbai Bilateral *	20.572	75.494
1) Thermal	198.674	811.203	Include PX	0.390	1.188
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	8.666	26.810	H) ENERGY CATERED (MUs)		
3) Gas	9.727	38.768	1) MSEDCL	281.511	1135.172
4) Wind	39.248	164.543	2) Mumbai Discoms	57.279	217.149
6) SOLAR	0.712	3.015	TOTAL STATE	338.790	1352.321
TOTAL STATE	257.027	1044.339			

* 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 20 Hrs	D. Night Minimum at 3 Hrs
MSPGCL Thermal	3701	3755	3872	3620
MSPGCL Hydro	293	182	346	52
MSPGCL Gas	237	235	239	239
MSPGCL Total Generation	4231	4172	4457	3911
Central Sector Receipt	4135	3521	3768	2782
WIND	1623	1763	1991	1393
CPP / IPP	3664	3485	3794	3388
SOLAR	105	99	0	0
Exchange with Mumbai	-1399	-1369	-1092	-595
MSEDCL DEMAND MET	12359	11671	12918	10879
Load Shedding	0	0	0	0
MSEDCL DEMAND	12359	11671	12918	10879
TPCL GENERATION	1142	1121	1046	693
R-INFRA GENERATION	506	505	496	402
MUMBAI DEMAND	3047	2995	2634	1690
STATE DEMAND MET	15406	14666	15552	12569
STATE DEMAND	15406	14666	15552	12569
Frequency (Hz)	49.99	50.01	49.89	49.96

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 13:00 Hrs	49.7 Hz at 21:05 Hrs	49.97	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 04/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	11.53	46.60	485	480
Total	11.53	47.52		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.88	15.40	170	150
Unit 4	0.00	9.10	0	0
Unit 5	0.00	9.00	0	0
Total	3.88	33.50		
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	3.99	15.95	179	163
Unit 4	3.94	15.78	170	150
Unit 5	8.68	34.73	380	350
Unit 6	8.86	35.19	380	350
Unit 7	8.43	33.20	386	316
Unit 8	1.46	7.96	204	0
Total	35.36	142.82		
Paras				
Unit 3	4.60	19.06	224	173
Unit 4	4.73	19.35	230	185
Total	9.33	38.41		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	3.75	15.36	170	130
Unit 3	4.02	15.93	175	165
Unit 4	3.95	15.70	170	163
Unit 5	9.73	39.09	470	400
Total	21.44	86.07		
Nasik				
Unit 3	3.98	16.12	170	160
Unit 4	0.00	0.00	0	0
Unit 5	3.97	15.69	169	154
Total	7.94	31.81		
Uran				
All Units	5.86	23.37	253	235
Total	5.86	23.37		
PENCH (MS)				
Pench (MS)	0.33	1.03	24	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.33	1.03		
Koyna				
Stage 1-2	1.59	6.02	195	40
Stage 4	0.00	0.23	0	0
Stage 3	1.18	4.12	160	0
Total	2.77	10.38		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.67	2.84	61	0
TILLARI	0.89	1.38	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.37	1.38	40	0
RNGR+BHTSA	0.00	0.12	0	0
BHANDARDRA	0.16	0.54	7	6
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	0.14	2.06	114	0
Total	2.24	8.31		
Wind				
Total	39.25	164.54	0	0
Total	39.25	164.54		
CPP				
APML(Mus)	46.26	180.62	0	0
JSWEL(Mus)	20.49	73.23	0	0
VIPL(Mus)	10.09	40.37	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	4.35	16.74	0	0
Other(Mus)	3.02	12.36	0	0
Total	84.20	326.97		
SOLAR				
Total	0.71	3.02	0	0
Total	0.71	3.02		
Tata				
Trombay 5	9.03	37.82	463	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.44	9.69	115	89
Trombay 7B	1.43	5.71	64	55
Trombay 8	5.27	21.73	247	200
TATA Hydro	3.66	8.12	339	4
Total	21.83	83.08		
R-INFRA				
1-2	10.67	42.62	506	401
Total	10.67	42.62		

* 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	89.50	382.06	MSPGCL Total	100.36	424.12
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	95.36	405.43	Koyna 1,2 & 4 Total	1.59	6.25
Parli 8	0.00	0.00	MSPGCL Hydro	5.01	18.69	State Total	257.03	1044.34

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/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	3620	106	237	3963	1136	3541	0	4141	3171	-780	11031	0	11031	1922	12953	50.01
2	3636	50	247	3933	1357	3367	0	3475	2996	-642	11011	0	11011	1773	12784	49.98
3	3620	52	239	3911	1393	3388	0	2724	2782	-595	10879	0	10879	1690	12569	49.96
4	3611	57	247	3915	1366	3377	0	2365	2857	-563	10952	0	10952	1655	12607	49.98
5	3640	47	237	3924	1357	3461	0	2738	2876	-590	11028	0	11028	1667	12695	49.98
6	3606	47	237	3890	1634	3458	0	3303	3549	-633	11898	0	11898	1757	13655	49.95
7	3603	82	249	3934	1484	3409	3	3691	4029	-739	12120	0	12120	1896	14016	49.97
8	3636	128	249	4013	1847	3401	19	4036	4108	-968	12420	0	12420	2113	14533	50.01
9	3666	151	236	4053	1825	3470	37	4192	3515	-1285	11615	0	11615	2431	14046	50.00
10	3656	168	243	4067	1844	3486	42	4101	3823	-1388	11874	0	11874	2688	14562	50.00
11	3681	204	250	4135	1432	3502	76	4248	4451	-1399	12197	0	12197	3013	15210	50.01
12	3701	293	237	4231	1623	3664	105	4666	4135	-1399	12359	0	12359	3047	15406	49.99
13	3755	182	235	4172	1763	3485	99	4400	3521	-1369	11671	0	11671	2995	14666	50.01
14	3810	149	249	4208	1742	3358	110	3459	3199	-1277	11340	0	11340	2844	14184	49.99
15	3871	173	250	4294	2026	3344	56	2922	2906	-1241	11385	0	11385	2837	14222	49.93
16	3838	365	253	4456	2068	3325	74	2782	2652	-1192	11383	0	11383	2815	14198	50.01
17	3869	382	250	4501	2069	3390	57	2434	2555	-1071	11501	0	11501	2794	14295	49.95
18	3854	299	241	4394	2073	3396	32	2685	2668	-1085	11478	0	11478	2730	14208	49.93
19	3872	273	251	4396	1830	3487	2	3238	3169	-1066	11818	0	11818	2679	14497	49.98
20	3872	346	239	4457	1991	3794	0	3774	3768	-1092	12918	0	12918	2634	15552	49.89
21	3773	483	249	4505	1374	3863	0	3846	4207	-1211	12738	0	12738	2514	15252	49.91
22	3855	421	241	4517	1294	3894	0	3615	3733	-1126	12312	0	12312	2417	14729	49.88
23	3807	277	250	4334	1295	3810	0	4096	3693	-1127	12005	0	12005	2288	14293	49.98
24	3647	273	241	4161	1425	3531	0	3757	3400	-939	11578	0	11578	2080	13658	49.98
MUs	89.50	5.01	5.86	100.36	39.25	84.20	0.71	84.69	81.76	-24.78	281.51	0.00	281.51	57.28	338.79	49.97

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 04/Jul/2016

Position as on 6.30 Hrs of 05/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 04/Jul/2016

Position as on 6.30 Hrs of 05/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		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	
MSPGCL	Chandrapur Unit 9	500	02/07/2016	07.26		Continued.	M.S.Temp.Low.	
MSPGCL	Chandrapur Unit-8	500	03/07/2016	07.32	04/07/2016	11.46	High Drum Level.	
MSPGCL	Chandrapur Unit-8	500	04/07/2016	20.30	05/07/2016	01.55	Flame Failure	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 05/Jul/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							
Pune(PG)-Solapur(PG)	InterState	04/07/2016	08.20	04/07/2016	19.31	PO	Passing Paalkhi Proceeding To Pandharpur.
400 KV LINE Outages/Trippings							
Kolhapur Solapur (PG) II	InterState	30/06/2016	17.06	04/07/2016	06.32	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	02/07/2016	00.22		Continued.	T	Over Voltage
Koradi Satpur	InterState	04/07/2016	09.27	04/07/2016	19.59	PO	Stringing Work Of Mauda Baitul Line By PGCIL.
Kolhapur Solapur (PG) II	InterState	04/07/2016	21.00		Continued.	HT	Over Voltage
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
Lonikand I - Koyna stage-IV	IntraState	02/07/2016	22.00		Continued.	HT	Over Voltage
Akola-Nandgaonpeth (RPL)	IntraState	04/07/2016	13.01	04/07/2016	19.23	T	Over Voltage At Ratan India(IB).
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.
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.
Pophli Pedhmbe Line- 1	IntraState	04/07/2016	15.05	04/07/2016	16.48	EO	Y-Phase Breaker Site Red Hot Attending Work.
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 ICT-2 @Nagar	IntraState	04/07/2016	07.19	04/07/2016	11.49	HT	Oil Leakage From Oil Indicator.
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