

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 19/Jul/2016 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	75.515	1564.711	1) Gujrat	2.134	-119.940
2) Hydro	9.004	124.442	2) Madhya Pradesh	16.481	228.581
3) Gas	6.830	136.440	3) Chattisgarh	7.280	127.690
Total MSPGCL	91.349	1825.593	4) Maharashtra Net	80.409	1131.851
B) 1) APML	44.637	922.096	5) Goa (Amona)	-0.424	-13.221
2) JSWEL	21.564	375.730	6) TAPS 1&2 Injection	3.663	66.960
3) VIPL	6.954	176.095	7) RGPPL Injection	11.665	217.098
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.685	4.311
5) WPCL	4.506	64.483	9) Pench (Excess)	-0.685	-4.311
6) Other IPP	2.239	45.729	Total	120.523	1634.708
C) 1) TPCL Thermal	15.243	278.215	a) Mumbai Schedule	21.801	381.664
2) TPCL Hydro	6.189	63.145	b) Mumbai Drawl	22.263	457.193
3) TPCL Gas	2.140	67.751	c) MSEDCL Bilateral *	34.922	480.133
4) R-INFRA Thermal	11.137	198.194	Include PX	0.000	-141.710
D) STATE			d) Mumbai Bilateral *	21.801	381.664
1) Thermal	181.795	3628.910	Include PX	5.216	29.527
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	15.193	187.587	H) ENERGY CATERED (MUs)		
3) Gas	8.970	204.191	1) MSEDCL	295.600	5347.183
4) Wind	25.478	742.647	2) Mumbai Discoms	56.972	1064.499
6) SOLAR	0.613	13.638	TOTAL STATE	352.572	6411.682
TOTAL STATE	232.049	4776.973			

* 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 3 Hrs
MSPGCL Thermal	3142	3143	3194	3062
MSPGCL Hydro	659	143	981	144
MSPGCL Gas	286	279	277	288
MSPGCL Total Generation	4087	3565	4452	3494
Central Sector Receipt	5943	5407	5044	4544
WIND	1034	1272	1315	838
CPP / IPP	3424	3436	3263	3212
SOLAR	68	78	0	0
Exchange with Mumbai	-1255	-1202	-1144	-713
MSEDCL DEMAND MET	13301	12556	12930	11375
Load Shedding	0	0	0	0
MSEDCL DEMAND	13301	12556	12930	11375
TPCL GENERATION	1194	1132	1056	606
R-INFRA GENERATION	504	510	436	402
MUMBAI DEMAND	2953	2844	2636	1721
STATE DEMAND MET	16254	15400	15566	13096
STATE DEMAND	16254	15400	15566	13096
Frequency (Hz)	50.00	49.99	49.93	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 13.04 Hrs	49.75 Hz at 22.07 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 19/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	11.77	227.39	545	448
Total	11.77	228.31		
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	3.83	69.04	183	140
Unit 4	3.98	71.26	178	152
Unit 5	7.72	156.37	335	309
Unit 6	9.41	166.81	445	285
Unit 7	0.00	132.42	0	0
Unit 8	8.21	83.91	403	270
Total	33.16	679.80		
Paras				
Unit 3	5.34	95.54	254	196
Unit 4	5.29	92.47	241	199
Total	10.62	188.01		
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	11.39	194.25	500	400
Total	11.39	261.20		
Nasik				
Unit 3	4.30	78.21	200	165
Unit 4	0.00	0.00	0	0
Unit 5	4.28	77.69	197	159
Total	8.58	155.90		
Uran				
All Units	6.83	136.44	299	271
Total	6.83	136.44		
PENCH (MS)				
Pench (MS)	0.68	4.31	120	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.68	4.31		
Koyna				
Stage 1-2	2.82	45.52	490	40
Stage 4	1.75	10.85	500	0
Stage 3	2.14	28.40	160	0
Total	6.71	84.77		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	3.96	0	0
TILLARI	0.31	6.91	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.30	7.40	80	0
RNGR+BHTSA	0.00	0.12	1	0
BHANDARDRA	0.56	7.35	24	23
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.00	0	0
GHATGHAR	1.12	13.92	240	0
Total	2.29	39.67		
Wind				
Total	25.48	742.65	0	0
Total	25.48	742.65		
CPP				
APML(Mus)	44.64	922.10	0	0
JSWEL(Mus)	21.56	375.73	0	0
VIPL(Mus)	6.95	176.10	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	4.51	64.48	0	0
Other(Mus)	2.24	45.73	0	0
Total	79.90	1587.79		
SOLAR				
Total	0.61	13.64	0	0
Total	0.61	13.64		
Tata				
Trombay 5	9.92	176.47	473	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.23	42.23	100	0
Trombay 7B	0.91	25.52	59	0
Trombay 8	5.32	101.74	239	200
TATA Hydro	6.19	63.14	387	0
Total	23.57	409.11		
R-INFRA				
1-2	11.14	198.19	511	401
Total	11.14	198.19		

* 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	75.52	1564.71	MSPGCL Total	91.35	1825.59
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	82.34	1701.15	Koyna 1,2 & 4 Total	4.57	56.37
Koradi 10	0.00	1.46	MSPGCL Hydro	9.00	124.44	State Total	232.05	4776.97
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 19/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	3186	182	287	3655	967	3420	0	4330	4423	-825	11640	0	11640	1969	13609	49.99
2	3203	159	299	3661	929	3395	0	4310	4454	-762	11677	0	11677	1769	13446	49.98
3	3062	144	288	3494	838	3212	0	4467	4544	-713	11375	0	11375	1721	13096	49.97
4	3073	144	297	3514	846	3163	0	4277	4706	-665	11564	0	11564	1676	13240	50.01
5	3155	188	289	3632	747	3185	0	4448	4712	-655	11621	0	11621	1667	13288	49.97
6	3272	489	287	4048	787	3340	0	4487	4620	-740	12055	0	12055	1791	13846	49.97
7	3293	1012	297	4602	825	3426	4	4465	4748	-537	13068	0	13068	1969	15037	49.98
8	3249	1042	286	4577	775	3418	20	4713	4915	-561	13144	0	13144	2138	15282	49.96
9	3191	716	296	4203	794	3420	44	5089	5762	-809	13414	0	13414	2443	15857	49.97
10	3108	699	292	4099	869	3423	56	5413	6062	-1175	13334	0	13334	2835	16169	49.98
11	3142	659	286	4087	1034	3424	68	5375	5943	-1255	13301	0	13301	2953	16254	50.00
12	3068	287	297	3652	1041	3415	81	5395	5467	-1248	12408	0	12408	2954	15362	49.98
13	3143	143	279	3565	1272	3436	78	5288	5407	-1202	12556	0	12556	2844	15400	49.99
14	3111	68	279	3458	1159	3372	77	5081	4467	-1082	11451	0	11451	2715	14166	50.02
15	3009	113	278	3400	1165	3251	72	4803	4951	-1032	11807	0	11807	2721	14528	49.99
16	3065	213	277	3555	1514	3233	56	4817	4830	-1020	12168	0	12168	2725	14893	49.98
17	2991	153	275	3419	1475	3230	42	4814	5491	-1120	12537	0	12537	2704	15241	49.95
18	2956	152	275	3383	1390	3214	13	4470	5608	-1252	12356	0	12356	2669	15025	49.97
19	3014	291	288	3593	1367	3214	2	4709	4986	-1150	12012	0	12012	2615	14627	49.97
20	3194	981	277	4452	1315	3263	0	4952	5044	-1144	12930	0	12930	2636	15566	49.93
21	3228	664	278	4170	1159	3384	0	4940	5121	-885	12949	0	12949	2586	15535	49.97
22	3310	358	277	3945	1112	3378	0	4885	4818	-721	12532	0	12532	2405	14937	49.98
23	3286	84	271	3641	1070	3354	0	4805	4731	-832	11964	0	11964	2298	14262	49.93
24	3206	63	275	3544	1028	3330	0	4530	4713	-878	11737	0	11737	2169	13906	49.98
MUs	75.51	9.00	6.83	91.35	25.48	79.90	0.61	114.86	120.52	-22.26	295.60	0.00	295.60	56.97	352.57	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 19/Jul/2016

Position as on 6.30 Hrs of 20/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	
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	Capital 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.	Zero Schedule by MSEDCL from 00.00Hrs Dt.18-7-16 and A.O.H from 25/06/2016 to 17/07/2016	
MSPGCL	Koyna Unit 8	80	29/06/2016	08.20		Continued.	Turbine Maintenance Work.	
MSPGCL	Bhusawal Unit 4	500	01/07/2016	23.55		Continued.	A.O.H from 17/07/2016 and Zero Shedule By MSEDCL from 1/07/2016 to 16/07/2016.	
IPP	VIPL U-2	300	15/07/2016	00.16		Continued.	Genrator Inspection.	
TPC-G	Trombay 7B	60	19/07/2016	21.49		Continued.	Mandatory Gas Path Inspection for 7 Days	
TPC-G	Trombay 7A	120	19/07/2016	22.02		Continued.	Mandatory Gas Path Inspection for 7 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 PPA.	
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 PPA.	
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 Vaccum	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Shedule By 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 concent to operate	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-2	270	18/06/2016	06.54		Continued.	Zero Shedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 19/Jul/2016

Position as on 6.30 Hrs of 20/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
RGPPL	Dabhol 2B	230	20/06/2016	13.03		Continued.	Change Over.	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule 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.	
IPP	RPL(AMT) U-1	270	01/07/2016	18.40		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 5	500	01/07/2016	23.59		Continued.	Zero Shedule By MSEDCL.	
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 By MSEDCL.	
MSPGCL	Khaparkheda Unit 3	210	05/07/2016	23.52		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 4	210	08/07/2016	03.07		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 3	210	08/07/2016	23.57		Continued.	ID Fan Problem (Converted to Zero schedule by MSEDCL from 11-07-2016)	
IPP	Adani U-4	660	13/07/2016	02.22		Continued.	Zero Shedule By MSEDCL.	
IPP	Adani U-1	660	13/07/2016	02.29		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Chandrapur Unit 7	500	17/07/2016	21.41	20/07/2016	02.41	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 19/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 20/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	19/07/2016	09.45	19/07/2016	15.29	PO	Inspection of PRD
400 KV LINE Outages/Trippings							
Chandrapur Bhadravati III	InterState	10/07/2016	21.01		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	16/07/2016	16.45	19/07/2016	11.45	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	19/07/2016	13.01		Continued.	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	19/07/2016	17.31		Continued.	HT	Over Voltage
Ektuni-Bableshtar 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
Khadka- Deepnagar Ckt 1	IntraState	12/07/2016	13.11		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	16/07/2016	16.36		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	18/07/2016	23.07	19/07/2016	07.23	HT	Over Voltage
New Koyna -Koyna Stage IV-I	IntraState	19/07/2016	09.15	19/07/2016	15.00	T	DT received at koyna stage-IV
Akola-Nandgaonpeth (RPL)	IntraState	19/07/2016	09.53	20/07/2016	05.40	PO	Testing work(RFC 23.11Hrs)
Lonikand I - Koyna stage-IV	IntraState	19/07/2016	22.56		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT II @Babhleshwar	IntraState	19/07/2016	21.37		Continued.	T	Differential protection
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
Gangapur-Valve	IntraState	19/07/2016	00.15	19/07/2016	06.38	T	Distance Protection
Topworth-PGPL(MSL Tap)	IntraState	19/07/2016	13.45	19/07/2016	19.34	EO	To attend Hot Spot
220kv Halkarni- Tillary	IntraState	20/07/2016	05.05		Continued.	T	LA Burst at Halkarni
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)
132 KV LINE Outages/Trippings							
John Deere - SPSL	IntraState	18/07/2016	20.30	19/07/2016	17.51	T	Due to B Ph CT Blast @ SPSL.
Himayatnagar - Tamsa	IntraState	19/07/2016	21.57	19/07/2016	22.38	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.

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