

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 18/Jul/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	102.274	1742.119	1) Gujrat	-2.318	73.156
2) Hydro	3.920	176.823	2) Madhya Pradesh	21.305	301.680
3) Gas	6.106	116.476	3) Chattisgarh	7.320	108.780
Total MSPGCL	112.300	2035.418	4) Maharashtra Net	118.245	1875.917
B) 1) APML	35.130	904.960	5) Goa	-6.292	-121.965
2) JSWEL	17.276	335.572	6) TAPS 1&2 Injection	2.817	51.612
3) VIPL	4.938	193.874	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	8.430	249.694	8) Pench (MS)	0.025	3.629
5) WPCL	2.622	56.637	9) Pench (Excess)	-0.025	-3.241
6) Other IPP	4.033	72.213	Total	141.052	2285.939
C) 1) TPCL Thermal	17.623	311.947	a) Mumbai Schedule	23.337	494.567
2) TPCL Hydro	1.893	60.165	b) Mumbai Drawl	26.641	512.086
3) TPCL Gas	0.000	62.906	c) MSEDCL Bilateral *	50.794	691.446
4) R-INFRA Thermal	12.414	179.101	Include PX	13.868	176.138
D) STATE			d) Mumbai Bilateral *	23.337	494.567
1) Thermal	204.740	4046.117	Include PX	7.709	87.849
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	5.813	236.988	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	6.106	179.382	1) MSEDCL	344.564	6248.166
4) Wind	44.525	657.994	2) Mumbai Discoms	58.571	1126.208
6) SOLAR	0.899	19.145	TOTAL STATE	403.135	7374.374
TOTAL STATE	262.083	5139.626			

* 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 21 Hrs	D. Night Minimum at 24 Hrs
MSPGCL Thermal	4573	4325	4230	4054
MSPGCL Hydro	190	110	180	137
MSPGCL Gas	276	277	239	134
MSPGCL Total Generation	5039	4712	4649	4325
Central Sector Receipt	6483	6294	5727	5584
WIND	1851	1952	1980	1869
CPP / IPP	3342	3392	2637	2643
SOLAR	108	100	0	0
Exchange with Mumbai	-1247	-1334	-1235	-1198
MSEDCL DEMAND MET	15576	15116	13758	13223
Load Shedding	166	67	67	67
MSEDCL DEMAND	15742	15183	13825	13290
TPCL GENERATION	938	908	789	728
R-INFRA GENERATION	517	516	518	517
MUMBAI DEMAND	2702	2758	2542	2443
STATE DEMAND MET	18278	17874	16300	15666
STATE DEMAND	18444	17941	16367	15733
Frequency (Hz)	49.95	49.96	49.96	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 18.32 Hrs	49.73 Hz at 19.20 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 18/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	2.82	21.91	145	0
Unit 6	0.00	0.00	0	0
Unit 7	3.34	53.49	163	115
Total	6.16	75.40		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.08	63.46	180	160
Unit 4	9.49	151.02	500	365
Unit 5	9.46	164.37	480	360
Total	23.02	378.85		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.18	0	0
Unit 5	0.00	19.87	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	37.92	0	0
Total	0.00	57.96		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.48	62.59	152	136
Unit 3	4.20	77.91	194	163
Unit 4	4.18	74.32	190	165
Unit 5	9.16	132.33	405	365
Unit 6	0.00	0.00	0	0
Unit 7	7.44	155.00	375	228
Total	28.44	502.15		
Paras				
Unit 3	5.23	92.93	227	208
Unit 4	5.90	93.42	259	230
Total	11.13	186.35		
Khaparkheda				
Unit 1	3.14	63.22	165	90
Unit 2	3.83	66.14	180	110
Unit 3	4.03	70.45	176	165
Unit 4	3.70	4.47	167	132
Unit 5	9.74	180.37	480	355
Total	24.43	384.65		
Nasik				
Unit 3	4.47	83.44	195	170
Unit 4	4.62	73.32	201	187
Unit 5	0.00	0.00	0	0
Total	9.09	156.76		
Uran				
All Units	6.11	116.48	279	134
Total	6.11	116.48		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.02	3.63	12	0
Total	0.02	3.63		
Koyna				
Stage 1-2	2.13	72.30	400	40
Stage 4	0.14	54.42	136	0
Stage 3	0.31	29.31	80	0
Total	2.58	156.02		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.52	1.07	60	0
BHTGR/VEER	0.07	1.07	3	2
BHIRA T.R.	0.34	4.23	80	0
RNGR+BHTSA	0.23	3.05	10	9
BHANDARDRA	0.00	0.06	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	1.38	0	0
GHATGHAR	0.19	9.94	125	0
Total	1.34	20.80		
Wind				
Total	44.52	657.99	0	0
Total	44.52	657.99		
CPP				
APML(Mus)	35.13	904.96	0	0
JSWEL(Mus)	17.28	335.57	0	0
VIPL(Mus)	4.94	193.87	0	0
RPLAMT(Mus)	8.43	249.69	0	0
WPCL(Mus)	2.62	56.64	0	0
Other(Mus)	4.03	72.21	0	0
Total	72.43	1812.95		
SOLAR				
Total	0.90	19.14	0	0
Total	0.90	19.14		
Tata				
Trombay 5	11.70	199.08	494	464
Trombay 6	0.00	8.40	0	0
Trombay 7A	0.00	38.66	0	0
Trombay 7B	0.00	24.24	0	0
Trombay 8	5.92	104.47	252	234
TATA Hydro	1.89	60.16	196	0
Total	19.52	435.02		
R-INFRA				
1-2	12.41	179.10	519	515
Total	12.41	179.10		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	102.27	1742.12
MSPGCL Thml+Gas	108.38	1858.60

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	3.92	176.82
MSPGCL Total	112.30	2035.42

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.27	126.72
State Total	262.08	5139.63

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 18/Jul/2015

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	4066	82	269	4417	2006	2964	0	5519	5926	-1121	14192	65	14257	2453	16710	49.92
2	4064	52	269	4385	1905	2993	0	5507	5867	-1056	14094	56	14150	2293	16443	49.95
3	4106	57	270	4433	1787	2964	0	5179	5528	-945	13767	56	13823	2162	15985	49.95
4	4064	62	271	4397	1743	3016	0	5218	5682	-854	13984	56	14040	2086	16126	49.97
5	4094	102	271	4467	1630	2948	0	5221	5474	-718	13801	56	13857	2053	15910	49.86
6	4133	422	271	4826	1700	3053	0	5259	5781	-848	14512	86	14598	2097	16695	49.98
7	4268	216	269	4753	1716	3556	4	5738	5899	-817	15111	237	15348	2099	17447	49.94
8	4271	53	271	4595	1641	3293	34	6153	6698	-873	15388	239	15627	2128	17755	49.95
9	4456	63	271	4790	1863	3160	54	6377	6718	-989	15596	230	15826	2288	18114	49.95
10	4457	148	272	4877	1852	3243	79	6492	6613	-1079	15585	199	15784	2512	18296	49.98
11	4573	190	276	5039	1851	3342	108	6546	6483	-1247	15576	166	15742	2702	18444	49.95
12	4544	191	275	5010	1883	3446	105	6575	6266	-1303	15407	119	15526	2759	18285	49.95
13	4325	110	277	4712	1952	3392	100	6415	6294	-1334	15116	67	15183	2758	17941	49.96
14	4304	93	275	4672	1875	3177	94	6173	6290	-1251	14857	79	14936	2675	17611	49.97
15	4386	278	273	4937	1987	3127	86	6161	5964	-1260	14841	82	14923	2678	17601	49.96
16	4348	437	278	5063	1859	2949	115	5875	6074	-1271	14789	84	14873	2662	17535	49.98
17	4346	262	278	4886	1957	2842	82	5863	5832	-1230	14369	75	14444	2615	17059	49.99
18	4330	107	279	4716	1936	2812	38	5610	5277	-1186	13593	73	13666	2553	16219	49.99
19	4310	112	279	4701	1953	2687	0	5039	4626	-1201	12766	78	12844	2500	15344	50.00
20	4277	173	270	4720	1651	2715	0	5408	5441	-1197	13330	83	13413	2562	15975	49.88
21	4230	180	239	4649	1980	2637	0	5965	5727	-1235	13758	67	13825	2542	16367	49.96
22	4139	221	135	4495	2015	2708	0	5450	5494	-1237	13475	67	13542	2488	16030	49.93
23	4129	172	134	4435	1914	2762	0	5341	5514	-1191	13434	67	13501	2463	15964	49.96
24	4054	137	134	4325	1869	2643	0	5507	5584	-1198	13223	67	13290	2443	15733	50.00
MUs	102.27	3.92	6.11	112.30	44.52	72.43	0.90	138.59	141.05	-26.64	344.56	2.45	347.02	58.57	405.59	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 18/Jul/2015

Position as on 6.30 Hrs of 19/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 1	160	12/10/2014	22:39		Continued.	Refuelling work	
MSPGCL	Chandrapur Unit 6	500	09/06/2015	23.58		Continued.	COH	
MSPGCL	Nasik Unit 5	210	30/06/2015	23.50		Continued.	Annual Overhaul	
IPP	VIPL U-1	300	14/07/2015	23.58		Continued.	AOH.	
TPC-G	Trombay 7B	60	17/07/2015	20.00		Continued.	Gas Path Inspection	
TPC-G	Trombay 7A	120	17/07/2015	20.38		Continued.	Gas path Inspection and Rotor replacement	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPL	Dabhol 2A	230	06/06/2013	09.10		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	
RGPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22	19/07/2015	03.25	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Koyna STG- IV Unit - 1	250	09/06/2015	14.22		Continued.	Excitation T/F Burst	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
IPP	Adani U-3	660	04/07/2015	15:03		Continued.	Super heater drain leakage.	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
IPP	RPL(AMT) U-1	270	06/07/2015	00.37	19/07/2015	17.53	Furnace Pressure High	
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	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 18/Jul/2015

Position as on 6.30 Hrs of 19/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP	WPCL U-4	135	11/07/2015	06.58		Continued.	ID Fan Vibration High	
IPP	Adani U-4	660	13/07/2015	17.14		Continued.	Boiler Tube Leakage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
IPP	RPL(AMT) U-3	270	16/07/2015	18.26		Continued.	PA Fan problem	
CPP	WPCL U-1	135	18/07/2015	00.00		Continued.	FD Fan Problem.	
IPP	RPL(AMT) U-4	270	18/07/2015	18.15		Continued.	ID Fan Problem	
MSPGCL	Koradi Unit 5	200	18/07/2015	20.57		Continued.	ID Fan Problem	
MSPGCL	Uran Unit 5	108	18/07/2015	21.20		Continued.	Boiler Validity Extension	
MSPGCL	Koradi Unit-8	660	19/07/2015	08.18		Continued.	Due to Bypass Valve Stucked up.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 18/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 19/Jul/2015

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							
Wardha PG - Aurangabad PG IV	InterState	13/07/2015	07.19		Continued.	HT	To Control Padhga-BBLR Line Loading.
400 KV LINE Outages/Trippings							
Kolhapur Mapusa II	InterState	17/07/2015	16.37	18/07/2015	06.42	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	17/07/2015	20.39	18/07/2015	07.15	HT	Over Voltage
Kolhapur Mapusa I	InterState	18/07/2015	16.55	19/07/2015	11.37	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	18/07/2015	17.31	18/07/2015	21.20	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	19/07/2015	17.17		Continued.	HT	Over Voltage
Kolhapur Mapusa II	InterState	19/07/2015	18.06		Continued.	HT	Over Voltage
Akola II - Taptitanda	IntraState	20/05/2015	08.59		Continued.	HT	Ckt I and Ckt 2 new charged to control BBLSR ICT loading.
Babhaleshwar-Taptitanda ckt-I	IntraState	09/07/2015	17.30		Continued.	HT	To control Line Loading of Padghe -BBLR D/C.
Babhaleshwar-Taptitanda ckt-II	IntraState	14/07/2015	08.48		Continued.	HT	to control line loading of padgha-bblr
Nagothane - Dabhol-II	IntraState	14/07/2015	12.33		Continued.	T	Distance Protection
Babhaleshwar - Padghe-I	IntraState	16/07/2015	04.29		Continued.	T	Distance Protection
karad -kolhapur-I	IntraState	17/07/2015	16.34	18/07/2015	06.26	HT	Over Voltage
Karad-Jaigad - I	IntraState	17/07/2015	16.36	18/07/2015	06.29	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	18/07/2015	18.10	19/07/2015	06.51	HT	Over Voltage
karad -kolhapur-II	IntraState	18/07/2015	18.22	19/07/2015	07.04	HT	Over Voltage
Karad-Jaigad - I	IntraState	19/07/2015	00.40		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/07/2015	10.54	19/07/2015	11.21	T	Distance Protection
karad -kolhapur-I	IntraState	19/07/2015	15.48		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	19/07/2015	16.08		Continued.	HT	Due Y-PH String Capping.
Karad - Jaigad - II	IntraState	19/07/2015	16.49		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	19/07/2015	17.11		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT II @Babhleshwar	IntraState	15/07/2015	17.20	18/07/2015	17.02	PO	Attending Oil Leakage
400/220 Kv 600 MVA ICT-II @Kalwa	IntraState	19/07/2015	05.47	19/07/2015	20.48	EO	Isolator Scissor Blade replacement
400/220/33 Kv 315 MVA ICT II @Babhleshwar	IntraState	19/07/2015	14.10	19/07/2015	17.32	PO	For Relasing Air Accumulate due to Buchholz Relay.
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	18/07/2015	06.20	18/07/2015	14.07	T	R Phase to E/F
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 deenergising 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 deenergising the line bet.86 to 107.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Distance Protection
Main Bus-II @ Kharghar	IntraState	18/07/2015	10.28		Continued.	PO	Jumpering of 220KV B Bus to Isolator of 315MVA ICT-III(new)
Centuri Enka- Bhosari	IntraState	18/07/2015	11.00	18/07/2015	12.06	PO	Installation of Summation type ABT Meter
512 Khadki- Century Enka	IntraState	18/07/2015	13.40	18/07/2015	16.30	PO	Installation of Summation type ABT Meter
Parli 3 (Old Gcr)-Girwali Ckt 2	IntraState	18/07/2015	18.24	18/07/2015	21.21	PO	To attend Hot Spot
Parli 3 (Old Gcr)-Girwali Ckt 2	IntraState	19/07/2015	08.11	19/07/2015	11.34	HT	Given in Parli Parbhani,Hingoli and Latur Area.

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 18/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 19/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Mahape - Tfipl	IntraState	19/07/2015	10.43	19/07/2015	12.32	PO	Removal of Bird Nest on B/S Isolator Gantry R-Ph And.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/132 Kv 200MVA ICT II @ Girwali	IntraState	18/07/2015	19.13	18/07/2015	21.40	PO	To attend Hot Spot
220/132 Kv 200 MVA ICT-I @Malegaon	IntraState	19/07/2015	01.05	19/07/2015	01.45	EO	To attend Hot Spot
132 KV LINE Outages/Trippings							
Narsi - Degloor	IntraState	18/07/2015	15.45	18/07/2015	20.44	T	Distance Protection