

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 17/Jul/2015 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	95.010	1639.845	1) Gujrat	6.071	75.474
2) Hydro	3.551	172.903	2) Madhya Pradesh	21.044	280.375
3) Gas	6.488	110.370	3) Chattisgarh	7.480	101.460
Total MSPGCL	105.049	1923.118	4) Maharashtra Net	125.818	1757.672
B) 1) APML	37.100	869.830	5) Goa	-6.548	-115.673
2) JSWEL	17.991	318.296	6) TAPS 1&2 Injection	2.825	48.795
3) VIPL	5.412	188.936	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	9.370	241.264	8) Pench (MS)	0.216	3.604
5) WPCL	4.135	54.015	9) Pench (Excess)	-0.216	-3.216
6) Other IPP	4.370	68.180	Total	156.474	2144.887
C) 1) TPCL Thermal	17.523	294.324	a) Mumbai Schedule	26.682	471.230
2) TPCL Hydro	3.551	58.272	b) Mumbai Drawl	28.215	485.445
3) TPCL Gas	3.300	62.906	c) MSEDCL Bilateral *	62.806	640.651
4) R-INFRA Thermal	12.297	166.687	Include PX	25.296	162.271
D) STATE			d) Mumbai Bilateral *	26.682	471.230
1) Thermal	203.208	3841.377	Include PX	9.495	80.140
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	7.102	231.175	H) ENERGY CATERED (MUs)		
3) Gas	9.788	173.276	1) MSEDCL	352.719	5907.556
4) Wind	40.041	613.469	2) Mumbai Discoms	64.885	1067.637
6) SOLAR	0.992	18.246	TOTAL STATE	417.604	6975.193
TOTAL STATE	261.131	4877.543			

* 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 23 Hrs
MSPGCL Thermal	3867	3882	3907	3997
MSPGCL Hydro	218	133	293	52
MSPGCL Gas	264	263	270	268
MSPGCL Total Generation	4349	4278	4470	4317
Central Sector Receipt	7902	7302	5849	5935
WIND	1590	1741	1879	1842
CPP / IPP	3181	3067	3153	3202
SOLAR	104	119	0	0
Exchange with Mumbai	-1396	-1432	-1287	-1333
MSEDCL DEMAND MET	15730	15075	14064	13963
Load Shedding	388	417	203	164
MSEDCL DEMAND	16118	15492	14267	14127
TPCL GENERATION	1228	1230	978	809
R-INFRA GENERATION	517	516	519	518
MUMBAI DEMAND	3141	3178	2784	2660
STATE DEMAND MET	18871	18253	16848	16623
STATE DEMAND	19259	18670	17051	16787
Frequency (Hz)	49.94	49.97	49.92	49.88

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 18:04 Hrs	49.74 Hz at 22:08 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 17/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	1.96	19.09	135	0
Unit 6	0.00	0.00	0	0
Unit 7	3.77	50.15	175	118
Total	5.73	69.24		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.50	59.39	145	0
Unit 4	10.14	141.52	500	360
Unit 5	9.85	154.91	490	375
Total	20.48	355.82		
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	3.46	59.11	152	134
Unit 3	4.12	73.71	196	133
Unit 4	4.14	70.14	184	166
Unit 5	8.90	123.17	380	358
Unit 6	0.00	0.00	0	0
Unit 7	7.87	147.56	382	246
Total	28.49	473.71		
Paras				
Unit 3	4.91	87.70	216	196
Unit 4	4.44	87.53	212	0
Total	9.35	175.22		
Khaparkheda				
Unit 1	3.09	60.08	160	85
Unit 2	3.70	62.32	170	140
Unit 3	4.09	66.42	210	142
Unit 4	0.77	0.77	131	0
Unit 5	10.24	170.63	493	360
Total	21.89	360.22		
Nasik				
Unit 3	4.56	78.96	200	180
Unit 4	4.51	68.70	200	177
Unit 5	0.00	0.00	0	0
Total	9.07	147.67		
Uran				
All Units	6.49	110.37	281	263
Total	6.49	110.37		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.22	3.60	40	0
Total	0.22	3.60		
Koyna				
Stage 1-2	1.30	70.16	250	40
Stage 4	1.09	54.29	354	0
Stage 3	0.52	28.99	170	0
Total	2.91	153.45		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.00	0	0
TILLARI	0.00	0.55	0	0
BHTGR/VEER	0.07	1.01	4	3
BHIRA T.R.	0.33	3.89	80	0
RNGR+BHTSA	0.23	2.81	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	0.00	9.76	0	0
Total	0.64	19.46		
Wind				
Total	40.04	613.47	0	0
Total	40.04	613.47		
CPP				
APML(Mus)	37.10	869.83	0	0
JSWEL(Mus)	17.99	318.30	0	0
VIPL(Mus)	5.41	188.94	0	0
RPLAMT(Mus)	9.37	241.26	0	0
WPCL(Mus)	4.14	54.02	0	0
Other(Mus)	4.37	68.18	0	0
Total	78.38	1740.52		
SOLAR				
Total	0.99	18.25	0	0
Total	0.99	18.25		
Tata				
Trombay 5	11.63	187.38	496	451
Trombay 6	0.00	8.40	0	0
Trombay 7A	2.06	38.66	115	0
Trombay 7B	1.24	24.24	67	0
Trombay 8	5.89	98.54	251	234
TATA Hydro	3.55	58.27	306	0
Total	24.37	415.50		
R-INFRA				
1-2	12.30	166.69	519	464
Total	12.30	166.69		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	95.01	1639.84
MSPGCL Thml+Gas	101.50	1750.22

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	3.55	172.90
MSPGCL Total	105.05	1923.12

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.39	124.45
State Total	261.13	4877.54

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 17/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	3810	289	272	4371	1528	3495	0	6061	6472	-1091	14775	77	14852	2473	17325	49.98
2	3877	165	280	4322	1434	3662	0	6024	6094	-910	14602	84	14686	2302	16988	49.96
3	3993	53	280	4326	1441	3533	0	5919	6070	-826	14544	84	14628	2197	16825	49.96
4	4102	53	281	4436	1393	3609	0	5760	5939	-759	14618	92	14710	2128	16838	50.00
5	4088	73	281	4442	1248	3640	0	5756	6165	-737	14758	115	14873	2107	16980	49.96
6	4099	378	270	4747	1302	3466	0	5936	6413	-764	15164	168	15332	2133	17465	50.00
7	4191	417	271	4879	1170	3664	4	6509	6493	-779	15431	335	15766	2160	17926	50.01
8	4252	58	271	4581	1220	3563	27	7065	7045	-830	15606	382	15988	2262	18250	50.00
9	4018	58	269	4345	1382	3594	62	7300	7465	-1168	15680	379	16059	2558	18617	49.96
10	3858	66	267	4191	1549	3219	89	7222	7862	-1238	15672	398	16070	2895	18965	49.94
11	3867	218	264	4349	1590	3181	104	7487	7902	-1396	15730	388	16118	3141	19259	49.94
12	3864	172	265	4301	1584	3173	133	7548	7574	-1460	15305	429	15734	3207	18941	49.93
13	3882	133	263	4278	1741	3067	119	6959	7302	-1432	15075	417	15492	3178	18670	49.97
14	3919	68	265	4252	1886	2921	124	6465	7005	-1334	14854	408	15262	3080	18342	49.98
15	3886	53	266	4205	2036	2983	112	6624	6656	-1382	14610	330	14940	3130	18070	49.92
16	3886	63	266	4215	2040	2953	93	6980	6847	-1445	14703	283	14986	3161	18147	49.99
17	3914	52	271	4237	2080	2979	72	6475	6783	-1444	14707	277	14984	3143	18127	49.98
18	3876	62	270	4208	1953	2942	44	5424	5868	-1422	13593	249	13842	3051	16893	50.00
19	3905	140	270	4315	1988	3001	8	5184	5309	-1288	13333	165	13498	2925	16423	49.98
20	3930	526	270	4726	1870	3062	1	5276	5481	-1276	13864	227	14091	2934	17025	49.91
21	3907	293	270	4470	1879	3153	0	5824	5849	-1287	14064	203	14267	2784	17051	49.92
22	3952	52	268	4272	2045	3184	0	5801	5784	-1365	13920	168	14088	2676	16764	49.88
23	3997	52	268	4317	1842	3202	0	5589	5935	-1333	13963	164	14127	2660	16787	49.88
24	3937	57	270	4264	1840	3132	0	5547	6161	-1249	14148	148	14296	2601	16897	49.92
MUs	95.01	3.55	6.49	105.05	40.04	78.38	0.99	150.74	156.47	-28.21	352.72	5.97	358.69	64.89	423.57	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 17/Jul/2015

Position as on 6.30 Hrs of 18/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	Khaparkhedda Unit 4	210	19/06/2015	23.57	17/07/2015	01.34	Annual Overhaul	
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								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	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		Continued.	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	Koyana 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		Continued.	Furnace Pressure High	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 17/Jul/2015

Position as on 6.30 Hrs of 18/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
MSPGCL	Koradi Unit 5	200	09/07/2015	19.19	17/07/2015	04.53	ID Fan Problem	
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	
MSPGCL	Bhusawal Unit 3	210	15/07/2015	09.08	17/07/2015	19.25	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	
MSPGCL	Paras Unit 4	250	17/07/2015	00.18	17/07/2015	02.11	Furnace Pressure High	
MSPGCL	Khaparkheda Unit 4	210	17/07/2015	03.40	17/07/2015	17.56	turbine shaft vibration high	
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	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 17/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 18/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 I	InterState	16/07/2015	16.40	17/07/2015	08.07	HT	Over Voltage
Parli(MS)-Parli (PG) II	InterState	17/07/2015	14.32	17/07/2015	17.32	EO	To attend Hot Spot
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		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	18/07/2015	17.31	18/07/2015	21.20	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-II	IntraState	16/07/2015	17.07	17/07/2015	06.26	HT	Over Voltage
Karad - Jaigad - II	IntraState	16/07/2015	17.09	17/07/2015	06.27	HT	Over Voltage
Akola II - Akola I Ckt-II	IntraState	16/07/2015	20.55	17/07/2015	06.31	EO	To attend sparking of Isolator
Main Bus-II @ Akola	IntraState	16/07/2015	20.56	17/07/2015	06.20	PO	Attending Sparking of isolator
Lonikand I - Koyna stage-IV	IntraState	17/07/2015	04.28	17/07/2015	18.20	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		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	18/07/2015	18.22		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 500 MVA ICT- I @Warora	IntraState	17/07/2015	07.48	17/07/2015	19.50	PO	Testing Work
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	17/07/2015	04.59	17/07/2015	05.36	T	Tripped at chikodi end only
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
Ranjangaon-Lonikand	IntraState	17/07/2015	07.24	17/07/2015	07.43	T	Distance Protection
Deepnagar Bambhori	IntraState	17/07/2015	09.30	17/07/2015	17.25	PO	To attend Hot Spot
ACCIL - Apta	IntraState	17/07/2015	11.04	17/07/2015	15.05	EO	To attend Hot Spot
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

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 17/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 18/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/110 Kv 200 Mva Vel Ptr 2 @Kolhapur-li (Mudshingi)	IntraState	17/07/2015	10.04	17/07/2015	17.43	PO	Testing Work
220/132 kv 200MVA ICT II @ Girwali	IntraState	18/07/2015	19.13	18/07/2015	21.40	PO	To attend Hot Spot
132 KV LINE Outages/Trippings							
Lonand - Wai	IntraState	16/07/2015	22:00	17/07/2015	03.45	T	Distance Protection
Narsi - Degloor	IntraState	18/07/2015	15.45	18/07/2015	20.44	T	Distance Protection