

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Apr/2018 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	137.359	1973.177	1) Gujrat	-3.290	-31.480
2) Hydro	29.145	254.508	2) Madhya Pradesh	18.183	262.969
3) Gas	8.931	138.139	3) Chattisgarh	8.210	99.910
Total MSPGCL	175.435	2365.824	4) Maharashtra Net	129.991	1807.464
B) 1) APML	46.364	622.280	5) Goa (Amona)	-0.462	-6.138
2) JSWEL	19.281	260.611	Total	152.632	2132.725
3) VIPL	5.063	71.096	a) Mumbai Schedule	24.451	342.342
4) RPL(AMT)	26.752	325.000	b) Mumbai Drawl	26.899	396.535
5) WPCL	5.610	73.474	c) MSEDCL Bilateral *	37.790	529.585
6) PGPL	0.000	0.000	Include PX	6.222	103.889
7) Other IPP	12.249	179.246	d) Mumbai Bilateral *	24.451	342.342
C) 1) TPCL Thermal	15.700	216.140	Include PX	8.232	102.697
2) TPCL Hydro	4.160	62.043	Include Standby	0.000	0.000
3) TPCL Gas	4.345	55.624	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.704	157.965	1) MSEDCL	431.861	5853.900
D) STATE			2) Mumbai Discoms	62.808	888.311
1) Thermal	280.082	3878.989	TOTAL STATE	494.669	6742.211
(A1+C1+C4+(B1-B6))					
2) Hydro	33.305	316.551			
(A2+C2)					
3) Gas	13.276	193.763			
(A3+B6+C3)					
4) Wind	9.512	145.530			
6) SOLAR	5.862	74.649			
TOTAL STATE	342.037	4609.482			

* 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 16 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5756	5749	5730	5699
MSPGCL Hydro	2112	1942	607	492
MSPGCL Gas	261	261	332	435
MSPGCL Total Generation	8129	7952	6669	6626
Central Sector Receipt	6939	7300	5976	5823
WIND	205	377	738	321
CPP / IPP Thermal	4726	5060	4832	4727
CPP / IPP Gas	0	0	0	0
SOLAR	811	485	0	0
Exchange with Mumbai	-1318	-1332	-1277	-761
MSEDCL DEMAND MET	19492	19842	16938	16736
Load Shedding	0	0	0	0
MSEDCL DEMAND	19492	19842	16938	16736
TPCL GENERATION	1147	1119	1111	869
R-INFRA GENERATION	501	499	496	498
MUMBAI DEMAND	2966	2950	2884	2128
STATE DEMAND MET	22458	22792	19822	18864
STATE DEMAND	22458	22792	19822	18864
Frequency (Hz)	49.95	49.93	49.93	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 18.01 Hrs	49.75 Hz at 00.19 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 14/Apr/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	8.55	127.23	400	349
Unit 9	9.08	132.90	455	350
Unit 10	8.92	131.86	450	300
Total	26.55	392.00		
Bhusawal				
Unit 3	4.63	63.12	200	185
Unit 4	11.39	157.82	490	460
Unit 5	11.68	160.42	495	470
Total	27.70	381.36		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.21	78.56	241	135
Unit 7	5.73	77.27	245	233
Unit 8	0.00	54.12	0	0
Total	10.94	209.96		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	16.49	0	0
Unit 6	0.00	0.00	0	0
Unit 7	10.73	148.95	460	434
Unit 8	10.88	108.76	462	445
Unit 9	10.07	137.65	460	250
Total	31.68	411.85		
Paras				
Unit 3	5.92	79.21	250	242
Unit 4	3.07	42.80	249	0
Total	8.98	122.01		
Khaparkheda				
Unit 1	3.56	43.09	165	125
Unit 2	3.72	59.98	165	130
Unit 3	3.69	42.37	165	139
Unit 4	3.66	63.91	168	138
Unit 5	11.16	141.81	500	430
Total	25.79	351.17		
Nasik				
Unit 3	0.00	41.67	0	0
Unit 4	1.19	1.51	179	0
Unit 5	4.50	61.64	191	170
Total	5.70	104.83		
Uran				
All Units	8.93	138.14	446	261
Total	8.93	138.14		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.00	1.72	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	1.72		
Koyna				
Stage 1-2	6.93	62.81	545	40
Stage 4	13.85	94.43	1018	0
Stage 3	4.62	34.55	320	0
Total	25.40	191.80		
Hydro				
KDPH	0.86	12.09	36	35
VTRNA	1.04	14.80	61	0
TILLARI	0.48	5.33	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.20	3.05	40	0
RNGR+BHTSA	0.28	3.91	12	11
BHANDARDRA	0.51	6.81	41	12
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.39	8.96	17	16
GHATGHAR	0.00	7.78	0	0
Total	3.75	62.71		
Wind				
Total	9.51	145.53	0	0
Total	9.51	145.53		
CPP				
APML(Mus)	46.36	622.28	0	0
JSWEL(Mus)	19.28	260.61	0	0
VIPL(Mus)	5.06	71.10	0	0
RPLAMT(Mus)	26.75	325.00	0	0
WPCL(Mus)	5.61	73.47	0	0
Other(Mus)	12.25	179.25	0	0
Total	115.32	1531.71		
SOLAR				
Total	5.86	74.65	0	0
Total	5.86	74.65		
Tata				
Trombay 5	10.30	144.22	474	372
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.76	34.53	118	113
Trombay 7B	1.59	21.09	67	65
Trombay 8	5.40	71.92	227	223
TATA Hydro	4.16	62.04	319	46
Total	24.20	333.81		
R-INFRA				
DTPS U-1&2	11.70	157.96	501	337
Total	11.70	157.96		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	137.36	1973.18	MSPGCL Total	175.44	2365.82
			MSPGCL Thml+Gas	146.29	2111.32	Koyna 1,2 & 4 Total	20.78	157.24
			MSPGCL Hydro	29.14	254.51	State Total	342.04	4609.48

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 14/Apr/2018

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			THM	GAS										
1	5532	980	431	6943	422	4883	0	0	5854	5871	-1170	16949	0	16949	2646	19595	49.88
2	5540	1122	433	7095	343	4742	0	0	5874	6035	-959	17256	0	17256	2421	19677	49.96
3	5629	1047	433	7109	336	4748	0	0	5714	5646	-870	16969	0	16969	2244	19213	49.97
4	5699	492	435	6626	321	4727	0	0	5772	5823	-761	16736	0	16736	2128	18864	49.99
5	5701	556	434	6691	347	4717	0	0	5742	5749	-715	16789	0	16789	2079	18868	49.93
6	5690	1300	446	7436	389	4731	0	0	5826	6020	-752	17824	0	17824	2109	19933	49.95
7	5780	1756	437	7973	308	4716	0	15	6357	6489	-723	18778	0	18778	2083	20861	50.01
8	5895	1525	444	7864	275	4709	0	164	6211	6522	-746	18788	0	18788	2145	20933	50.02
9	5887	1297	433	7617	200	4710	0	406	5812	5996	-913	18016	0	18016	2322	20338	49.98
10	5824	1301	429	7554	160	4730	0	605	5931	6212	-1118	18143	0	18143	2608	20751	49.95
11	5748	1750	344	7842	190	4722	0	733	6204	6392	-1353	18526	0	18526	2849	21375	49.97
12	5756	2112	261	8129	205	4726	0	811	6676	6939	-1318	19492	0	19492	2966	22458	49.95
13	5711	1975	271	7957	181	4798	0	814	6928	7242	-1341	19651	0	19651	2993	22644	50.01
14	5700	1932	270	7902	217	4921	0	765	7037	6940	-1446	19299	0	19299	2917	22216	50.03
15	5767	1883	262	7912	241	4941	0	640	7056	7340	-1377	19697	0	19697	2958	22655	49.96
16	5749	1942	261	7952	377	5060	0	485	7217	7300	-1332	19842	0	19842	2950	22792	49.93
17	5705	1801	261	7767	462	5018	0	310	7166	7147	-1302	19402	0	19402	2914	22316	49.98
18	5706	1840	289	7835	496	4727	0	113	6486	6794	-1228	18737	0	18737	2830	21567	49.97
19	5605	938	316	6859	620	4861	0	1	6150	5882	-1262	16961	0	16961	2800	19761	49.99
20	5730	607	332	6669	738	4832	0	0	6233	5976	-1277	16938	0	16938	2884	19822	49.93
21	5720	326	421	6467	759	4877	0	0	6162	5886	-1272	16717	0	16717	2822	19539	49.96
22	5749	178	429	6356	775	4791	0	0	6131	6024	-1295	16651	0	16651	2739	19390	49.97
23	5768	220	429	6417	603	4800	0	0	6075	6228	-1223	16825	0	16825	2672	19497	49.92
24	5768	265	430	6463	547	4827	0	0	6220	6179	-1146	16870	0	16870	2729	19599	49.93
MUs	137.36	29.14	8.93	175.43	9.51	115.32	0.00	5.86	150.83	152.63	-26.90	431.86	0.00	431.86	62.81	494.67	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 14/Apr/2018

Position as on 6.30 Hrs of 15/Apr/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
MSPGCL	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage, converted to AOH w.e.f 01.02.2018, 00:00Hrs	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown. (NO PPA FROM 01.04.2018)	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		Continued.	No PPA	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
CPP	IEPL Unit 1	270	30/12/2017	23.58		Continued.	No Schedule	
IPP	Adani U-2	660	02/01/2018	15.26		Continued.	HPBP Bonnet leakage	
MSPGCL	Koradi Unit 7	210	07/01/2018	17.00		Continued.	Poor Coal Receipt.	
IPP	JSW (J) U1	300	20/02/2018	12.06	15/04/2018	21.14	Turbine Vibration high.	
IPP	RPL(AMT) U-3	270	27/02/2018	00.01		Continued.	Coal Shortage	
MSPGCL	Uran Unit 8	108	25/03/2018	06.25		Continued.	Thrust Bearing Tripped	
IPP	VIPL U-1	300	01/04/2018	00.26		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 4	210	01/04/2018	02.05	14/04/2018	14.56	due to heavy clinker grinder of bottom ash hopper.	
MSPGCL	Nasik Unit 3	210	10/04/2018	09.58		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 5	500	10/04/2018	10.37		Continued.	Air heater problem	
MSPGCL	Parli Unit 8	250	11/04/2018	23.59	15/04/2018	22.17	HEAVY STEAM LEAKAGE AT HP HITTER SIX.	
MSPGCL	Uran Unit 6	108	14/04/2018	10.30	14/04/2018	17.25	Card Malfunction.	
MSPGCL	Paras Unit 4	250	14/04/2018	12.50	15/04/2018	18.45	Generator Protection operated	
MSPGCL	Koradi Unit-8	660	15/04/2018	04.15		Continued.	PA Fan problem	
MSPGCL	Khaparkheda Unit 3	210	15/04/2018	04.44	15/04/2018	08.41	Low furnace pressure	
MSPGCL	Nasik Unit 4	210	15/04/2018	07.18	15/04/2018	18.00	water receptivity low.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 14/Apr/2018

Statement-VII

Position as on 6.30 Hrs of 15/Apr/2018

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							
Koradi III - Tirora - I	IntraState	15/04/2018	08.17	15/04/2018	11.18	PO	recommisining of line reactor bushing.
400 KV LINE Outages/Trippings							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line converted as 220 kV Solapur (PG)- Jeur from LOC 403
Dhule Sar'Sarovar I	InterState	13/04/2018	17.52	14/04/2018	06.56	HT	Over Voltage
Dabhol Nagothane I	InterState	14/04/2018	06.54	14/04/2018	07.16	T	Distance Protection
Dhule Sar'Sarovar II	InterState	14/04/2018	18.10	15/04/2018	10.21	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	15/04/2018	10.55	15/04/2018	13.34	PO	attending cb air pressure low.
Dhule Sar'Sarovar I	InterState	15/04/2018	18.10		Continued.	HT	Over Voltage
Nagothane - Dabhol-II	IntraState	12/04/2018	08.08	14/04/2018	19.33	PO	Cold Line Insulator Washing work
Girwali - Lonikand 1	IntraState	14/04/2018	06.14	14/04/2018	08.10	EO	Attending Hot Spot
Jejuri- Koynastage-IV	IntraState	14/04/2018	11.03	14/04/2018	11.37	T	Distance Protection
Ektuni-Bableshwar ckt II	IntraState	14/04/2018	12.12	14/04/2018	19.45	PO	faulty disk insulator replacement work.
N.Koyna-Karad -Ckt I	IntraState	14/04/2018	16.40	14/04/2018	19.10	EO	Attending Hot Spot
Nagothane - Dabhol I	IntraState	15/04/2018	09.02	15/04/2018	18.56	PO	decapping insulator replacement string.
Ektuni-Bableshwar ckt II	IntraState	15/04/2018	09.36	15/04/2018	18.19	PO	damage disc replacement.
Lamboti-Pgcil	IntraState	15/04/2018	10.15		Continued.	PO	overhauling & service of cb.
Khadka-Aurangabad (Waluj)	IntraState	15/04/2018	18.52		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 Mva Ict 1 @Chandrapur 2	IntraState	31/03/2018	21.21		Continued.	HT	hand tripped after charge.
400/220KV 500MVA ICT1@koradi 2	IntraState	15/04/2018	08.13	15/04/2018	13.38	T	Differential protection
500 MVA ICT II at Kudus	IntraState	15/04/2018	20.06		Continued.	T	Buchholz trip.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	NO SCHEDULE.
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	No Schedule.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper 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 jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Kalwa 52B Interconnector CB	IntraState	14/04/2018	08.36	14/04/2018	19.54	PO	isolator maintenance work.
Trombay Salsette 1 Backbay	IntraState	15/04/2018	09.00	15/04/2018	19.17	PO	Routine Maintenance Work
Nanded-Ghatodi	IntraState	15/04/2018	12.02	15/04/2018	14.19	PO	Line Maintenance work
Satana-Gangapur	IntraState	15/04/2018	12.02	15/04/2018	12.34	T	Distance Protection
Nanded-Ghatodi	IntraState	15/04/2018	16.04	15/04/2018	16.20	T	Distance Protection
Dhamangaon New - Badnera	IntraState	15/04/2018	17.37	15/04/2018	17.45	T	Distance Protection
Wardha - Wardha Rly Tss 2	IntraState	15/04/2018	18.48		Continued.	T	Backup Protection
Abhijeet-Wardha-Ii	IntraState	15/04/2018	19.00	15/04/2018	20.49	T	Tripped on PDR
Koradi II - Kawlewada	IntraState	15/04/2018	19.08		Continued.	T	Distance Protection
220 KV ICT Outages/Trippings							

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 14/Apr/2018

Statement-VII

Position as on 6.30 Hrs of 15/Apr/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Failed on internal Fault(repaired and ready for commissioning)
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
132 KV LINE Outages/Trippings							
Naldurg - Ujani	IntraState	13/04/2018	16.36	14/04/2018	10.13	HT	load management.
Nardana-Shirpur	IntraState	15/04/2018	15.15	15/04/2018	15.40	T	Distance Protection
Naldurg - Ujani	IntraState	15/04/2018	15.57		Continued.	T	system requirement.
Amgaon- Amgaon Rly Tss 2	IntraState	15/04/2018	16.35	15/04/2018	16.40	T	Backup Protection

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