

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 14/Aug/2017 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	155.213	1852.330	1) Gujrat	5.373	70.455
2) Hydro	6.550	125.610	2) Madhya Pradesh	17.489	253.720
3) Gas	10.225	139.969	3) Chattisgarh	5.760	85.670
Total MSPGCL	171.988	2117.909	4) Maharashtra Net	103.213	1405.445
B) 1) APML	30.423	712.718	5) Goa (Amona)	-0.418	-6.622
2) JSWEL	14.333	206.006	Total	131.417	1808.668
3) VIPL	7.476	89.682	a) Mumbai Schedule	23.107	310.107
4) RPL(AMT)	22.197	85.057	b) Mumbai Drawl	25.363	359.118
5) WPCL	2.523	44.843	c) MSEDCL Bilateral *	23.124	322.265
6) PGPL	0.000	0.000	Include PX	2.265	77.095
7) Other IPP	3.498	47.262	d) Mumbai Bilateral *	23.107	310.107
C) 1) TPCL Thermal	14.649	215.029	Include PX	7.176	98.037
2) TPCL Hydro	5.434	66.573	Include Standby	0.000	0.000
3) TPCL Gas	4.258	56.814	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	10.416	148.717	1) MSEDCL	375.507	5166.448
D) STATE			2) Mumbai Discoms	60.120	846.247
1) Thermal	260.728	3401.644	TOTAL STATE	435.627	6012.695
(A1+C1+C4+(B1-B6))					
2) Hydro	11.984	192.183			
(A2+C2)					
3) Gas	14.483	196.783			
(A3+B6+C3)					
4) Wind	15.559	388.745			
6) SOLAR	1.456	24.676			
TOTAL STATE	304.210	4204.031			

* 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	6686	6718	6687	6201
MSPGCL Hydro	842	753	141	62
MSPGCL Gas	411	414	425	434
MSPGCL Total Generation	7939	7885	7253	6697
Central Sector Receipt	6541	6897	4716	4594
WIND	513	278	816	742
CPP / IPP Thermal	3505	3493	3327	3134
CPP / IPP Gas	0	0	0	0
SOLAR	201	135	0	0
Exchange with Mumbai	-1387	-1268	-1241	-818
MSEDCL DEMAND MET	17312	17420	14871	14349
Load Shedding	0	0	0	0
MSEDCL DEMAND	17312	17420	14871	14349
TPCL GENERATION	1285	1284	1082	697
R-INFRA GENERATION	497	501	375	375
MUMBAI DEMAND	3169	3053	2698	1890
STATE DEMAND MET	20481	20473	17569	16239
STATE DEMAND	20481	20473	17569	16239
Frequency (Hz)	49.91	49.95	49.83	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.12 Hz at 16.32 Hrs	49.66 Hz at 19.28 Hrs	49.95	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/Aug/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	12.36	77.99	551	460
Unit 9	12.34	165.51	550	461
Unit 10	12.73	170.76	550	460
Total	37.42	414.26		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.18	12.32	190	160
Unit 4	11.34	157.71	500	370
Unit 5	0.00	0.00	0	0
Total	15.52	170.03		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.82	28.73	250	198
Unit 7	0.00	0.00	0	0
Unit 8	0.00	0.00	0	0
Total	5.82	28.73		
Chandrapur				
Unit 3	4.74	64.89	200	185
Unit 4	4.51	61.33	190	185
Unit 5	10.10	111.02	440	405
Unit 6	9.38	124.84	424	345
Unit 7	9.95	139.89	428	387
Unit 8	7.80	127.98	470	0
Unit 9	11.74	150.98	500	464
Total	58.23	780.92		
Paras				
Unit 3	5.86	78.76	252	193
Unit 4	5.60	78.93	250	199
Total	11.47	157.69		
Khaparkheda				
Unit 1	3.94	30.24	175	135
Unit 2	4.14	26.51	192	160
Unit 3	3.07	23.32	150	0
Unit 4	0.00	0.00	0	0
Unit 5	11.22	156.74	490	415
Total	22.36	236.82		
Nasik				
Unit 3	0.00	38.47	0	0
Unit 4	4.39	23.96	206	157
Unit 5	0.00	1.46	0	0
Total	4.39	63.88		
Uran				
All Units	10.22	139.97	439	411
Total	10.22	139.97		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.15	0.84	47	0
Total	0.15	0.84		
Koyna				
Stage 1-2	3.84	43.36	460	40
Stage 4	0.72	36.82	245	0
Stage 3	1.15	21.77	160	0
Total	5.71	101.95		
Hydro				
KDPH	0.00	1.25	0	0
VTRNA	0.00	4.93	0	0
TILLARI	0.00	0.60	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.33	5.65	80	0
RNGR+BHTSA	0.00	2.14	0	0
BHANDARDRA	0.34	4.79	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.17	4.30	7	6
GHATGHAR	0.00	0.00	0	0
Total	0.84	23.66		
Wind				
Total	15.56	388.74	0	0
Total	15.56	388.74		
CPP				
APML(Mus)	30.42	712.72	0	0
JSWEL(Mus)	14.33	206.01	0	0
VIPL(Mus)	7.48	89.68	0	0
RPLAMT(Mus)	22.20	85.06	0	0
WPCL(Mus)	2.52	44.84	0	0
Other(Mus)	3.50	47.26	0	0
Total	80.45	1185.57		
SOLAR				
Total	1.46	24.68	0	0
Total	1.46	24.68		
Tata				
Trombay 5	9.36	138.83	488	300
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.68	35.32	119	84
Trombay 7B	1.58	21.49	68	57
Trombay 8	5.29	76.20	246	199
TATA Hydro	5.43	66.57	418	0
Total	24.34	338.42		
R-INFRA				
DTPS U-1&2	10.42	148.72	505	374
Total	10.42	148.72		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	155.21	1852.33	MSPGCL Total	171.99	2117.91
			MSPGCL Thml+Gas	165.44	1992.30	Koyna 1,2 & 4 Total	4.56	80.18
			MSPGCL Hydro	6.55	125.61	State Total	304.21	4204.03

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 14/Aug/2017

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			THM	GAS										
1	6145	196	420	6761	1165	3113	0	0	4562	4954	-1053	14940	0	14940	2154	17094	49.92
2	6209	99	422	6730	942	3142	0	0	4433	4661	-906	14569	0	14569	1997	16566	49.97
3	6201	62	434	6697	742	3134	0	0	4414	4594	-818	14349	0	14349	1890	16239	50.00
4	6244	67	423	6734	703	3131	0	0	4399	4734	-778	14524	0	14524	1812	16336	49.97
5	6348	67	430	6845	605	3123	0	0	4699	4926	-779	14720	0	14720	1811	16531	49.99
6	6455	257	420	7132	539	3289	0	0	5071	5576	-814	15722	0	15722	1920	17642	49.97
7	6579	322	421	7322	605	3417	0	12	5780	6052	-675	16733	0	16733	2049	18782	49.99
8	6510	388	432	7330	603	3425	0	48	6101	6174	-798	16782	0	16782	2248	19030	49.97
9	6573	530	419	7522	609	3411	0	124	6279	6433	-995	17104	0	17104	2518	19622	50.00
10	6562	506	428	7496	544	3439	0	145	5899	5902	-1168	16358	0	16358	2901	19259	49.98
11	6583	579	415	7577	516	3457	0	179	6029	5947	-1363	16313	0	16313	3161	19474	49.94
12	6686	842	411	7939	513	3505	0	201	6538	6541	-1387	17312	0	17312	3169	20481	49.91
13	6718	753	414	7885	278	3493	0	135	6729	6897	-1268	17420	0	17420	3053	20473	49.95
14	6718	176	419	7313	265	3527	0	145	6753	6802	-1196	16856	0	16856	2930	19786	49.95
15	6696	296	431	7423	413	3551	0	146	6611	6554	-1181	16906	0	16906	2934	19840	49.93
16	6677	306	422	7405	572	3528	0	137	6406	6229	-1138	16733	0	16733	2899	19632	49.92
17	6524	157	439	7120	902	3551	0	127	5813	5599	-1185	16114	0	16114	2854	18968	49.99
18	6422	61	427	6910	971	3328	0	46	5586	5295	-1368	15182	0	15182	2735	17917	49.98
19	6469	139	434	7042	909	3323	0	11	5547	4930	-1438	14777	0	14777	2717	17494	49.93
20	6687	141	425	7253	816	3327	0	0	5235	4716	-1241	14871	0	14871	2698	17569	49.83
21	6577	93	436	7106	757	3329	0	0	4811	4503	-1096	14599	0	14599	2561	17160	49.92
22	6149	116	426	6691	649	3316	0	0	4583	4563	-1009	14210	0	14210	2500	16710	49.90
23	6111	66	439	6616	547	3302	0	0	4501	4575	-862	14178	0	14178	2346	16524	49.90
24	6370	331	438	7139	394	3289	0	0	4325	4260	-847	14235	0	14235	2263	16498	49.96
MUs	155.21	6.55	10.22	171.99	15.56	80.45	0.00	1.46	131.10	131.42	-25.36	375.51	0.00	375.51	60.12	435.63	49.95

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/Aug/2017

Position as on 6.30 Hrs of 15/Aug/2017

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.	
CENT.SECTOR	TARAPUR 4	540	23/04/2017	19:55		Continued.	Annual Maintenance	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
MSPGCL	Koradi Unit 7	210	21/06/2017	01.24		Continued.	COH.	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
MSPGCL	Khaparkhedha Unit 4	210	13/07/2017	03.36		Continued.	Drum level low. on Dated 14.07.2017 converted to zero schedule. Converted into COH from 00:00Hrs of 02.08.2017	
MSPGCL	Bhusawal Unit 5	500	15/07/2017	05.59		Continued.	Zero Schedule By MSEDCL (Converted to AOH from 00:00Hrs of 20.07.2017)	
MSPGCL	Khaparkhedha Unit 3	210	14/08/2017	16.15	14/08/2017	18.21	Low furnace pressure	
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	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
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 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Shutdown	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
IPP	JSW (J) U2	300	31/05/2017	23.58		Continued.	NO SCHEDULE.	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	RPL(AMT) U-4	270	09/06/2017	00.20		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Parli Unit 7	250	13/06/2017	00.04		Continued.	Zero Schedule By MSEDCL, schedule issued on 00:00hrs of 09.08.2017 but synchronization delayed.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 14/Aug/2017

Position as on 6.30 Hrs of 15/Aug/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL, scheduled issued on 08.08.2017 but synchronization delayed.	
MSPGCL	Ghatghar Unit-1	125	28/07/2017	00.00		Continued.	rbtv leakage attending work.	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
IPP	JSW (J) U4	300	05/08/2017	20.30		Continued.	Turbine shaft Vibration high.	
CPP	SWPGL U-3	135	06/08/2017	06.57		Continued.	Flame Failure	
IPP	Adani U-1	660	07/08/2017	00.29		Continued.	AIR PREHEATER PROBLEM.	
MSPGCL	Nasik Unit 5	210	09/08/2017	00.00		Continued.	ID Fan Problem converted to zero schedule from 19:00Hrs of 11.08.2017	
MSPGCL	Nasik Unit 3	210	10/08/2017	00.00		Continued.	Withdrawn for maintenance work.	
IPP	Adani U-2	660	11/08/2017	16.49		Continued.	Furnace Pressure High	
MSPGCL	Chandrapur Unit-8	500	11/08/2017	21.42	14/08/2017	03.07	Boiler Tube Leakage	
CPP	SWPGL U-4	135	11/08/2017	23.23		Continued.	Y ph ct of bhugoan ckt burst.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 14/Aug/2017

Statement-VII

Position as on 6.30 Hrs of 15/Aug/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 II	InterState	12/08/2017	19.12	14/08/2017	07.20	HT	Over Voltage
Dabhol Nagothane II	InterState	14/08/2017	14.42	14/08/2017	16.57	EO	Tree Cutting
Dhule Sar'Sarovar II	InterState	14/08/2017	20.01		Continued.	HT	Over Voltage
Ektuni-Bableshtar ckt I	IntraState	10/08/2017	06.43		Continued.	HT	Emergency outage on padghe bblsr ckt.
karad -kolhapur-I	IntraState	12/08/2017	17.12	14/08/2017	08.59	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	12/08/2017	17.15	14/08/2017	11.16	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	13/08/2017	18.49	14/08/2017	06.54	HT	Distance Protection Operated Zone-1
Padghe - Kalwa-II	IntraState	14/08/2017	08.16	14/08/2017	09.27	PO	Heavy Sparking B-Phase 29D Isolator
Khadka- Deepnagar Ckt 2	IntraState	14/08/2017	10.18	14/08/2017	20.51	PO	Routine Maintenance Work
Karad - Jaigad - II	IntraState	14/08/2017	16.31		Continued.	T	Over Voltage
karad -kolhapur-I	IntraState	14/08/2017	18.07		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	14/08/2017	21.01		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	14/08/2017	21.01		Continued.	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	15/08/2017	04.42		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220kv 315 Mva ICT I @Karad	IntraState	08/08/2017	06.15		Continued.	PO	REPLACEMENT OF Y PHASE UNIT(outage for 11 Days)
400/220KV 500MVA ICT1@koradi 2	IntraState	10/08/2017	11.39		Continued.	PO	Attend defects observed in OLTC of ICT 1.
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.
Borivali - Tarapur	InterState	12/08/2017	12.50		Continued.	PO	Dp,D-22%,R-Y TO E,Conductor Snapped At Loc No 198
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.
Vita - Mhaishal	IntraState	01/07/2017	14.19		Continued.	PO	Bunching Work
Vita - Miraj	IntraState	01/07/2017	14.53		Continued.	PO	bunching work.
Goregaon Versova Line 2	IntraState	14/08/2017	09.10	14/08/2017	17.51	PO	Isolator Maintenance Work
Uran - Kharghar 2	IntraState	14/08/2017	11.19	14/08/2017	18.00	PO	To attend Hot Spot
Kalwa 52B Interconnector CB	IntraState	14/08/2017	12.09	14/08/2017	15.50	PO	For Red Hot Spot Attending Work
Sawantwadi-Bidri	IntraState	14/08/2017	12.25	14/08/2017	13.42	PO	Line Signature Analysis
Kolhapur-Bidri	IntraState	14/08/2017	14.24	14/08/2017	15.51	PO	Routine Maintenance 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)
132 KV LINE Outages/Trippings							
Yawal - Chopda	IntraState	11/08/2017	07.00	14/08/2017	21.22	HT	To Control Khadka Deepnagar L/L
Katol - Bharsingi	IntraState	14/08/2017	00.59	14/08/2017	01.10	T	Distance Protection Operated Zone-1
Bhandara-Kardha	IntraState	14/08/2017	01.22	14/08/2017	01.39	T	Back Up Protection Operated O/C AND E/F

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/Aug/2017

Statement-VII

Position as on 6.30 Hrs of 15/Aug/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Bhandara-Tekepar	IntraState	14/08/2017	01.22	14/08/2017	02.05	T	Distance Protection Operated Zone-1
Jintur - Yeldari	IntraState	14/08/2017	12.40	14/08/2017	15.07	PO	Fixing Of Vibration Damper
Waghala(Nanded2) - Ardhapur	IntraState	14/08/2017	13.30	14/08/2017	17.02	PO	Hot Spot On Y Phase Ct
Cosmofilms-Badnapur	IntraState	14/08/2017	14.56	14/08/2017	18.12	PO	Quarterly Maintenance Work
Ambazari-Mankapur-Ii	IntraState	14/08/2017	16.43	14/08/2017	18.51	T	Distance Protection Optd At Ambazari End
Mankapur - Hingna-I	IntraState	14/08/2017	16.43	14/08/2017	18.57	T	Distance Protection Operated Zone-2 Y-Ph B-Ph
Mankapur-Uppalwadi	IntraState	14/08/2017	17.04	14/08/2017	19.02	HT	In View Of Tripping Of 132 KV Ambazari Mankapur CKT-2
Ujani - Ausa	IntraState	14/08/2017	19.35	14/08/2017	20.02	T	Distance Protection Operated Zone-1

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