

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Jun/2019 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	133.903	4286.715	1) Gujrat	-5.982	-95.863
2) Hydro	2.034	100.009	2) Madhya Pradesh	4.810	163.464
3) Gas	8.589	177.189	3) Chattisgarh	3.630	95.260
Total MSPGCL	144.526	4563.913	4) Maharashtra	88.875	3229.593
B) 1) APMIL	36.845	1806.303	5) Goa (Amona)	-0.484	-10.868
2) JSWEL	22.075	670.887	Total	90.849	3381.586
3) VIPL	0.000	0.000	a) Mumbai Schedule	26.676	810.356
4) RPL(AMT)	23.036	556.981	b) Mumbai Drawl	34.782	1003.503
5) WPCL	0.000	0.000	c) MSEDCL Bilateral *	10.486	321.457
6) Other IPP	6.553	194.525	Include PX	-1.510	-92.692
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	26.676	810.356
C) 1) TPCL Thermal	12.185	375.271	Include PX	9.531	317.212
2) TPCL Hydro	2.320	104.008	Standby	0.000	0.000
3) TPCL Gas	4.044	115.623	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.143	272.432	1) MSEDCL	345.050	11229.558
D) STATE			2) Mumbai Discoms	62.474	1870.838
1) Thermal	243.740	8163.114	TOTAL STATE	407.524	13100.396
(A1+C1+C4+(B1-B6))					
2) Hydro (A2+C2)	4.354	204.017			
3) Gas (A3+B7+C3)	12.633	292.812			
4) Wind	51.396	892.247			
6) SOLAR	4.552	166.619			
TOTAL STATE	316.675	9718.809			

* 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 24 Hrs
MSPGCL Thermal	5578	5591	5518	5304
MSPGCL Hydro	84	79	185	43
MSPGCL Gas	395	403	350	342
MSPGCL Total Generation	6057	6073	6053	5689
Central Sector Receipt	4783	4100	3714	2934
WIND	1931	2150	2376	2274
CPP / IPP Thermal	3525	3531	3886	3951
CPP / IPP Gas	0	0	0	0
SOLAR	580	553	0	0
Exchange with Mumbai	-1938	-1854	-1439	-1126
MSEDCL DEMAND MET	14938	14553	14590	13722
Load Shedding	0	0	0	0
MSEDCL DEMAND	14938	14553	14590	13722
TPCL GENERATION	778	816	923	733
AEML GENERATION	374	373	376	374
MUMBAI DEMAND	3090	3043	2738	2233
STATE DEMAND MET	18028	17596	17328	15955
STATE DEMAND	18028	17596	17328	15955
Frequency (Hz)	50.02	49.99	49.99	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.19 Hz at 13.04 Hrs	49.85 Hz at 22.11 Hrs	50.01	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 28/Jun/2019

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	3.30	94.86	145	125
Unit 7	2.91	74.78	150	0
Unit 8	0.00	207.25	0	0
Unit 9	10.00	254.37	450	400
Unit 10	9.97	253.70	430	401
Total	26.18	884.96		
Bhusawal				
Unit 3	3.02	36.07	165	0
Unit 4	8.64	277.60	365	355
Unit 5	8.61	224.18	370	350
Total	20.28	537.84		
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	11.63	0	0
Unit 8	0.00	11.77	0	0
Total	0.00	23.39		
Chandrapur				
Unit 3	3.91	119.30	165	159
Unit 4	3.92	99.90	167	160
Unit 5	8.76	263.33	366	364
Unit 6	8.57	272.39	370	340
Unit 7	8.86	194.62	385	357
Unit 8	8.99	296.48	415	360
Unit 9	8.96	290.68	415	360
Total	51.97	1536.72		
Paras				
Unit 3	4.84	157.55	245	188
Unit 4	4.74	154.44	240	180
Total	9.58	312.00		
Khaparkheda				
Unit 1	3.24	82.52	160	100
Unit 2	3.38	81.44	150	100
Unit 3	3.87	99.79	170	156
Unit 4	3.84	101.44	180	152
Unit 5	0.00	286.94	0	0
Total	14.34	652.13		
Nasik				
Unit 3	3.82	114.53	162	155
Unit 4	3.94	115.69	169	158
Unit 5	3.79	109.45	161	154
Total	11.55	339.68		
Uran				
All Units	8.59	177.19	403	277
Total	8.59	177.19		
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	0.01	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	0.01		
Koyna				
Stage 1-2	0.94	37.60	140	30
Stage 4	0.00	0.56	0	0
Stage 3	0.60	10.64	142	0
Total	1.54	48.80		
Hydro				
KDPH	0.19	8.54	8	8
VTRNA	0.00	17.02	0	0
TILLARI	0.00	0.97	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.28	6.19	40	0
RNGR+BHTSA	0.00	1.71	0	0
BHANDARDRA	0.00	1.48	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.02	2.14	1	0
GHATGHAR	0.00	13.16	0	0
Total	0.49	51.21		
Wind				
Total	51.40	892.25	0	0
Total	51.40	892.25		
CPP				
APML(Mus)	36.84	1806.30	0	0
JSWEL(Mus)	22.08	670.89	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	23.04	556.98	0	0
WPCL(Mus)	0.00	0.00	0	0
Other(Mus)	6.55	194.52	0	0
Total	88.51	3228.70		
SOLAR				
Total	4.55	166.62	0	0
Total	4.55	166.62		
Tata				
Trombay 5	7.42	236.95	316	305
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.54	72.84	116	64
Trombay 7B	1.51	42.79	67	50
Trombay 8	4.77	138.32	201	195
TATA Hydro	2.32	104.01	248	0
Total	18.55	594.90		
AEML				
DTPS U-1&2	9.14	272.43	474	373
Total	9.14	272.43		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	133.90	4286.72	MSPGCL Total	144.53	4563.91
			MSPGCL Thml+Gas	142.49	4463.90	Koyna 1,2 & 4 Total	0.94	38.15
			MSPGCL Hydro	2.03	100.01	State Total	316.68	9718.81

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Jun/2019

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	5741	82	277	6100	2058	3972	0	0	4369	3989	-1481	14638	0	14638	2564	17202	50.00
2	5584	39	301	5924	1946	3793	0	0	4456	4087	-1301	14449	0	14449	2354	16803	50.02
3	5541	39	342	5922	1967	3599	0	0	3928	3909	-1206	14191	0	14191	2210	16401	50.04
4	5554	49	346	5949	1879	3510	0	0	3762	3687	-1129	13896	0	13896	2122	16018	50.03
5	5565	44	356	5965	1931	3508	0	0	3558	3786	-1094	14096	0	14096	2087	16183	50.03
6	5688	59	357	6104	2057	3563	0	0	3975	4404	-1166	14962	0	14962	2161	17123	50.00
7	5781	124	382	6287	1733	3836	0	40	4736	4460	-1207	15149	0	15149	2217	17366	50.01
8	5676	79	399	6154	1761	3868	0	187	4651	4108	-1233	14845	0	14845	2358	17203	50.02
9	5594	44	401	6039	1770	3562	0	352	4566	4364	-1445	14642	0	14642	2649	17291	50.02
10	5527	54	400	5981	1764	3506	0	473	4759	4832	-1739	14817	0	14817	2859	17676	50.01
11	5586	62	375	6023	1752	3483	0	533	5098	4991	-1879	14903	0	14903	3040	17943	50.03
12	5578	84	395	6057	1931	3525	0	580	5198	4783	-1938	14938	0	14938	3090	18028	50.02
13	5591	79	403	6073	2150	3531	0	553	4759	4100	-1854	14553	0	14553	3043	17596	49.99
14	5581	61	384	6026	2357	3523	0	608	4097	3576	-1691	14399	0	14399	2901	17300	50.08
15	5582	39	376	5997	2518	3543	0	559	3310	2999	-1653	13963	0	13963	2914	16877	50.01
16	5569	44	346	5959	2670	3593	0	351	3141	3061	-1625	14009	0	14009	2936	16945	50.00
17	5611	56	355	6022	2655	3546	0	144	2624	2933	-1618	13682	0	13682	2908	16590	49.99
18	5627	229	358	6214	2553	3566	0	166	2776	3131	-1586	14044	0	14044	2851	16895	50.01
19	5585	221	358	6164	2541	3709	0	6	3508	3231	-1599	14052	0	14052	2793	16845	50.01
20	5518	185	350	6053	2376	3886	0	0	3932	3714	-1439	14590	0	14590	2738	17328	49.99
21	5538	151	332	6021	2266	3949	0	0	3524	3435	-1331	14340	0	14340	2625	16965	49.99
22	5502	118	321	5941	2313	3962	0	0	3303	3227	-1256	14187	0	14187	2478	16665	50.00
23	5480	49	333	5862	2174	4025	0	0	3421	3108	-1186	13983	0	13983	2343	16326	49.98
24	5304	43	342	5689	2274	3951	0	0	3007	2934	-1126	13722	0	13722	2233	15955	50.03
MUs	133.90	2.03	8.59	144.53	51.40	88.51	0.00	4.55	94.46	90.85	-34.78	345.05	0.00	345.05	62.47	407.52	50.01

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 28/Jun/2019

Position as on 6.30 Hrs of 29/Jun/2019

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CPP	SWPGL U-3	135	01/11/2018	00.28		Continued.	Annual Overhaul	
FORCED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17:08		Continued.	Economic shutdown	
IPP	SWPGL U-1	135	16/02/2016	17.09		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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Uran Unit 7	108	20/07/2018	12.53		Continued.	Compressor & Turbine Blade Failure.	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	Poor Coal Receipt	
MSPGCL	Uran Unit B0	120	08/09/2018	12.19	28/06/2019	05.55	T/F Shifting Work.	
IPP	SWPGL U-2	135	27/11/2018	00.00		Continued.	No Schedule.	
MSPGCL	Parli Unit 6	250	12/12/2018	00.00		Continued.	Zero Schedule.(water shortage from 25/06/2019)	
CPP	SWPGL U-4	135	15/12/2018	00.00		Continued.	No Schedule	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal Shortage	
MSPGCL	Parli Unit 8	250	04/06/2019	00.00		Continued.	Zero Schedule (converted to AOH from 25/06/2019)	
MSPGCL	Koyana Unit 5	80	17/06/2019	08.20		Continued.	needle stuck up problem.	
MSPGCL	Koyana Unit 6	80	17/06/2019	08.40		Continued.	needle stuck up problem.	
IPP	Adani U-4	660	19/06/2019	16.09		Continued.	MS Drain Bonnet Leakage.	
IPP	Adani U-3	660	24/06/2019	09.27	28/06/2019	17.19	MS Drain Bonnet leakage.	
MSPGCL	Parli Unit 7	250	25/06/2019	09.45		Continued.	Water Shortage	
MSPGCL	Koradi Unit-8	660	26/06/2019	11.49		Continued.	Boiler validity Extn. Work.	
MSPGCL	Khaparkheda Unit 5	500	27/06/2019	23.17		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 8	108	28/06/2019	00.15	28/06/2019	01.30	Boiler Protection	
MSPGCL	Bhusawal Unit 3	210	28/06/2019	18.35		Continued.	Zero schedule.	
MSPGCL	Koradi Unit 7	210	28/06/2019	22.50		Continued.	Boiler Tube Leakage	
IPP	RPL(AMT) U-2	270	29/06/2019	00.00		Continued.	Zero schedule.	
IPP	RPL(AMT) U-5	270	29/06/2019	03.00		Continued.	Zero Schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jun/2019

Statement-VII

Position as on 6.30 Hrs of 29/Jun/2019

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	27/06/2019	19.16		Continued.	HT	Over Voltage
Akola Aurangabad(PG) II	InterState	28/06/2019	10.29	28/06/2019	19.28	EO	For String Replacement.
Khadka - Bableshwar	IntraState	27/06/2019	15.57	28/06/2019	00.47	T	Distance Protection,Z1,B-PH,102KM.3.4KA.
Babhaleshwar - Padghe-I	IntraState	27/06/2019	16.34	28/06/2019	17.59	HT	Safety purpose Decapping found at Loc.No.835
Khadka-Aurangabad (Waluj)	IntraState	28/06/2019	00.53	28/06/2019	10.01	HT	Over Voltage
Ektuni-Taptitanda II	IntraState	28/06/2019	10.54	28/06/2019	19.19	PO	Routine Maintenance Work
Khadka-Aurangabad (Waluj)	IntraState	28/06/2019	17.03		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	28/06/2019	18.24		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/06/2019	00.49		Continued.	HT	Over Voltage
Padghe - Nagothane - I	IntraState	29/06/2019	01.37		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 Mva ICT 1 @Padghe	IntraState	15/11/2018	10.07		Continued.	T	Differential Protection, Declared Faulty.
400/220/33 Kv 500 Mva Ict 1 @ CHANDRAPUR 2	IntraState	12/04/2019	17.10		Continued.	HT	Due To CVT Porcelain Collars Of The ICT-1 Are Damaged.
400/220/33 Kv 315 MVA ICT II @Chandrapur GCR	IntraState	24/06/2019	14.14		Continued.	PO	Oil Filtration Work from High PPM.
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	28/06/2019	01.01	28/06/2019	04.35	T	Oil surge Relay
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.
Boiser(M)-Boiser(PG) -III	InterState	28/06/2019	06.50	28/06/2019	08.13	T	Tripped From 220Kv BSR-2End.
Borivali - Tarapur	InterState	28/06/2019	13.50	28/06/2019	17.25	EO	String replacement At Loc No.22
EKLAHARE (OCR) Nasik - Navsari I	InterState	29/06/2019	05.02		Continued.	T	Distance Protection
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Balapur-Akola I	IntraState	20/06/2019	12.15		Continued.	PO	New Tower Erection Work And Stringing Work At Railway Crossing.
Balapur-Akola li	IntraState	20/06/2019	12.15		Continued.	PO	New Tower Erection Work And Stringing Work At Railway Crossing.
Goregaon Versova Line 2	IntraState	28/06/2019	00.22	28/06/2019	08.40	PO	Erection Of Monopole Work.
Ekalahara(Ocr)(Nashik)-Navasari II	IntraState	28/06/2019	02.58	28/06/2019	17.06	T	Distance protection Zone 1
Boisar II - Boisar PG II	IntraState	28/06/2019	06.50	28/06/2019	07.52	T	CB Tripped From BSR-2 End With LBB Operated.
Boisar II - Boisar PG I	IntraState	28/06/2019	06.50	28/06/2019	13.25	T	Jumper Broken AT Loc.No,79(CB Tripped At PG End only.
Main Bus -II @ Boisar	IntraState	28/06/2019	06.50	28/06/2019	07.52	T	LBB Operated.
Boisar Versova Line	IntraState	28/06/2019	06.50	28/06/2019	08.13	HT	For Load Mannegment.
Bableshwar- Bableshwar-I	IntraState	28/06/2019	09.25	28/06/2019	15.02	PO	Quarterly Maintainance Work
Eklahare (Gcr)(Nashik)- Ghatghar	IntraState	28/06/2019	10.03	28/06/2019	14.09	PO	Insulator Replacement Work
Ghatghar - Bapgaon	IntraState	28/06/2019	10.41	28/06/2019	15.01	PO	Insulator Replacement Work
Jamde-Dondaicha 1	IntraState	28/06/2019	10.46	28/06/2019	12.42	PO	CT.Leakage Attending Work.
Uran - Kharghar I	IntraState	28/06/2019	15.57		Continued.	HT	Over Voltage
Bableshwar- Bableshwar-II	IntraState	28/06/2019	16.24	28/06/2019	19.36	PO	Quarterly Maintainance Work
Nalasopara-Boisar	IntraState	29/06/2019	00.18		Continued.	T	Distance Protection

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/Tripping for 28/Jun/2019

Statement-VII

Position as on 6.30 Hrs of 29/Jun/2019

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Goregaon Versova Line 2	IntraState	29/06/2019	00.19	29/06/2019	01.25	T	Relay maloperation.
220 KV ICT Outages/Tripping							
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	28/06/2019	01.01	28/06/2019	04.35	PO	Due to Oil Surge Relay.
220/132 Kv 200 Mva ICT-II @Boisar -li	IntraState	28/06/2019	06.50	28/06/2019	07.35	T	LBB Operated.
220/33 Kv 50 Mva Apex Ptr 1 @Boisar-li	IntraState	28/06/2019	06.50	28/06/2019	08.06	T	LBB Operated.
220/132 Kv 200 Mva Cgl lct 1 @Boisar-li	IntraState	28/06/2019	06.50	28/06/2019	07.56	T	LBB Operated.
220/132 KV 150MVA ICT I @ Boisar	IntraState	28/06/2019	06.50	28/06/2019	07.58	T	LBB Operated.
220/132 KV 100MVA ICT-II @ Walchandnagar	IntraState	28/06/2019	10.19	28/06/2019	16.55	PO	Attending Oil Leakage Work Of N2 Injection System.
200 MVA 220/132 KV ICT - 1 @VIRODA	IntraState	28/06/2019	10.38	28/06/2019	19.57	PO	Relay Testing, RM Work.
220/100 Kv 100 Mva Cgl lct 1 @Taloja	IntraState	28/06/2019	11.25	28/06/2019	12.30	PO	Urgent Removal Of Rusted Earth Wire.
220/100 Kv 100 Mva Vijai lct 1 @Jambhul	IntraState	28/06/2019	12.05	28/06/2019	17.10	PO	WT,CC&PT Commissioning Work.
220/132 Kv 200 MVA ICT-III @ Nanded	IntraState	28/06/2019	12.10	28/06/2019	18.10	EO	Attending Oil Leakage
220/33 Kv 100 Mva Areva Ptr 1 @Jamde	IntraState	28/06/2019	12.53	28/06/2019	13.58	PO	Attending Red Hot On LV CT.
220/100 Kv 200 Mva Vijai lct 3 @Padghe	IntraState	29/06/2019	00.42	29/06/2019	02.56	T	Tripped On Pid.
132 KV LINE Outages/Tripping							
Amalner - Nardhana	IntraState	23/06/2019	20.02		Continued.	T	DISTANCE PROTECTION NRD--> Y, PHASE, IY=8.33KA, IB=8.309KA, 45.86KM 5 NO TOWERS COLLAPSED TOWER NO 9 TO 13 FROM AMALNER
Lupin -Boiser	IntraState	28/06/2019	06.50	28/06/2019	07.46	T	LBB Operated.
Boisar li - Palghar 1	IntraState	28/06/2019	06.50	28/06/2019	07.37	T	LBB Operated.
Umri - Kundalwadi	IntraState	28/06/2019	19.40	28/06/2019	20.15	T	Distance Protection Z1 R PH 1.2KAB PH 1.2KA

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