

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Mar/2018 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	148.530	3999.402	1) Gujrat	-2.132	-27.456
2) Hydro	13.631	420.044	2) Madhya Pradesh	18.651	546.494
3) Gas	6.846	212.293	3) Chattisgarh	6.760	176.730
Total MSPGCL	169.007	4631.739	4) Maharashtra Net	132.487	3190.707
B) 1) APML	39.343	1210.921	5) Goa (Amona)	-0.352	-18.018
2) JSWEL	16.102	520.716	Total	155.414	3868.457
3) VIPL	14.875	297.762	a) Mumbai Schedule	28.184	619.808
4) RPL(AMT)	19.944	476.098	b) Mumbai Drawl	27.556	678.109
5) WPCL	4.475	109.857	c) MSEDCL Bilateral *	47.895	1018.819
6) PGPL	0.000	0.000	Include PX	18.199	213.695
7) Other IPP	13.702	348.813	d) Mumbai Bilateral *	28.184	619.808
C) 1) TPCL Thermal	17.206	439.564	Include PX	6.355	130.958
2) TPCL Hydro	5.282	114.877	Include Standby	0.000	0.000
3) TPCL Gas	4.457	109.369	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.988	311.430	1) MSEDCL	422.002	11090.674
D) STATE			2) Mumbai Discoms	66.489	1653.365
1) Thermal	286.165	7714.563	TOTAL STATE	488.491	12744.039
(A1+C1+C4+(B1-B6))					
2) Hydro	18.913	534.921			
(A2+C2)					
3) Gas	11.303	321.662			
(A3+B6+C3)					
4) Wind	11.689	204.828			
6) SOLAR	5.007	99.592			
TOTAL STATE	333.077	8875.566			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	6247	6283	6327	5998
MSPGCL Hydro	1045	586	358	195
MSPGCL Gas	280	278	285	291
MSPGCL Total Generation	7572	7147	6970	6484
Central Sector Receipt	7745	7682	5874	5755
WIND	191	365	624	551
CPP / IPP Thermal	4472	4450	4479	4588
CPP / IPP Gas	0	0	0	0
SOLAR	676	579	0	0
Exchange with Mumbai	-1530	-1477	-1235	-654
MSEDCL DEMAND MET	19126	18746	16712	16724
Load Shedding	0	0	0	0
MSEDCL DEMAND	19126	18746	16712	16724
TPCL GENERATION	1297	1284	1274	945
R-INFRA GENERATION	496	498	498	500
MUMBAI DEMAND	3323	3259	3007	2099
STATE DEMAND MET	22449	22005	19719	18823
STATE DEMAND	22449	22005	19719	18823
Frequency (Hz)	49.90	49.92	49.92	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 18.03 Hrs	49.73 Hz at 21.06 Hrs	49.93	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/Mar/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	0.00	243.06	0	0
Unit 9	9.84	280.12	453	345
Unit 10	9.86	329.71	452	348
Total	19.70	852.90		
Bhusawal				
Unit 3	4.62	62.17	200	170
Unit 4	11.43	316.80	490	455
Unit 5	11.62	321.07	500	470
Total	27.68	700.04		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.88	144.68	250	195
Unit 7	5.81	134.28	252	223
Unit 8	5.11	150.61	229	200
Total	16.80	429.56		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	7.06	288.20	305	280
Unit 6	0.00	0.00	0	0
Unit 7	10.52	68.66	455	379
Unit 8	10.94	251.09	473	420
Unit 9	10.61	310.94	466	420
Total	39.12	918.89		
Paras				
Unit 3	5.98	142.70	256	243
Unit 4	6.00	164.19	250	250
Total	11.98	306.89		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	4.59	64.12	195	170
Unit 3	4.58	91.39	210	170
Unit 4	4.50	117.22	205	165
Unit 5	10.95	293.47	500	415
Total	24.62	566.19		
Nasik				
Unit 3	0.00	3.83	0	0
Unit 4	4.17	115.04	177	169
Unit 5	4.46	106.06	192	159
Total	8.63	224.93		
Uran				
All Units	6.85	212.29	300	270
Total	6.85	212.29		
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)	0.19	1.28	33	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.19	1.28		
Koyna				
Stage 1-2	2.98	101.94	455	40
Stage 4	4.45	153.92	915	0
Stage 3	1.70	54.98	210	0
Total	9.12	310.84		
Hydro				
KDPH	0.86	15.07	36	36
VTRNA	1.00	32.52	61	0
TILLARI	0.72	6.92	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.40	5.74	80	0
RNGR+BHTSA	0.36	8.67	15	14
BHANDARDRA	0.47	11.07	33	13
ELDARY	0.00	1.40	0	0
SMLHY_PTN	0.70	18.95	30	29
GHATGHAR	0.00	8.86	0	0
Total	4.51	109.20		
Wind				
Total	11.69	204.83	0	0
Total	11.69	204.83		
CPP				
APML(Mus)	39.34	1210.92	0	0
JSWEL(Mus)	16.10	520.72	0	0
VIPL(Mus)	14.88	297.76	0	0
RPLAMT(Mus)	19.94	476.10	0	0
WPCL(Mus)	4.48	109.86	0	0
Other(Mus)	13.70	348.81	0	0
Total	108.44	2964.17		
SOLAR				
Total	5.01	99.59	0	0
Total	5.01	99.59		
Tata				
Trombay 5	11.40	285.55	485	438
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.83	67.82	119	114
Trombay 7B	1.62	41.55	69	66
Trombay 8	5.80	154.01	244	240
TATA Hydro	5.28	114.88	391	34
Total	26.94	663.81		
R-INFRA				
DTPS U-1&2	11.99	311.43	503	496
Total	11.99	311.43		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	148.53	3999.40	MSPGCL Total	169.01	4631.74
			MSPGCL Thml+Gas	155.38	4211.70	Koyna 1,2 & 4 Total	7.42	255.86
			MSPGCL Hydro	13.63	420.04	State Total	333.08	8875.57

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/Mar/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	6047	861	288	7196	700	4562	0	0	5987	5983	-1154	17287	0	17287	2587	19874	49.89
2	6012	636	290	6938	609	4587	0	0	5889	5835	-889	17080	0	17080	2347	19427	49.92
3	5992	289	290	6571	584	4586	0	0	5768	5875	-749	16867	0	16867	2199	19066	49.97
4	5998	195	291	6484	551	4588	0	0	5740	5755	-654	16724	0	16724	2099	18823	49.97
5	6012	194	300	6506	559	4574	0	0	5764	5791	-617	16813	0	16813	2062	18875	49.90
6	6034	627	292	6953	549	4570	0	0	5934	6212	-670	17615	0	17615	2114	19729	49.92
7	6038	1512	292	7842	433	4565	0	5	6340	6535	-674	18707	0	18707	2199	20906	49.95
8	6051	1117	282	7450	307	4557	0	117	6262	6409	-768	18073	0	18073	2329	20402	49.99
9	6059	813	290	7162	196	4609	0	327	6035	6365	-1029	17630	0	17630	2639	20269	49.99
10	6138	748	287	7173	214	4634	0	515	6326	6556	-1290	17802	0	17802	2981	20783	49.95
11	6244	528	284	7056	199	4620	0	603	6865	7249	-1501	18226	0	18226	3218	21444	49.93
12	6247	1045	280	7572	191	4472	0	676	7544	7745	-1530	19126	0	19126	3323	22449	49.90
13	6245	955	270	7470	183	4445	0	660	7506	7343	-1550	18551	0	18551	3299	21850	49.96
14	6245	768	279	7292	285	4433	0	664	7039	7298	-1538	18434	0	18434	3191	21625	49.98
15	6283	586	278	7147	365	4450	0	579	7271	7682	-1477	18746	0	18746	3259	22005	49.92
16	6299	455	280	7034	376	4468	0	448	7686	7852	-1500	18678	0	18678	3275	21953	49.88
17	6297	244	271	6812	508	4477	0	301	7544	7682	-1464	18316	0	18316	3243	21559	49.90
18	6291	458	283	7032	507	4474	0	110	6395	6450	-1379	17194	0	17194	3151	20345	49.94
19	6316	271	284	6871	618	4475	0	2	5695	5900	-1401	16465	0	16465	3026	19491	49.99
20	6327	358	285	6970	624	4479	0	0	5593	5874	-1235	16712	0	16712	3007	19719	49.92
21	6357	301	277	6935	716	4468	0	0	5479	5644	-1180	16583	0	16583	2883	19466	49.94
22	6357	204	297	6858	841	4464	0	0	5363	5518	-1026	16655	0	16655	2735	19390	49.90
23	6338	193	288	6819	800	4451	0	0	5733	5874	-1114	16830	0	16830	2671	19501	49.86
24	6303	273	288	6864	774	4432	0	0	5805	5985	-1167	16888	0	16888	2652	19540	49.90
MUs	148.53	13.63	6.85	169.01	11.69	108.44	0.00	5.01	151.56	155.41	-27.56	422.00	0.00	422.00	66.49	488.49	49.93

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/Mar/2018

Position as on 6.30 Hrs of 29/Mar/2018

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 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	AOH	
MSPGCL	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage, converted to AOH w.e.f 01.02.2018, 00:00Hrs	
MSPGCL	Uran Unit 6	108	11/02/2018	23.43		Continued.	Annual Overhaul	
FORCED OUTAGE								
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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
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	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
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	Adani U-4	660	12/02/2018	07.24		Continued.	Governing valve abnormal sound(Out due to coal shortage w.e.f 20.02.2018, 18:00hrs)	
IPP	JSW (J) U1	300	20/02/2018	12.06		Continued.	Turbine Vibration high.	
IPP	RPL(AMT) U-3	270	27/02/2018	00.01		Continued.	Coal Shortage	
MSPGCL	Khaparkheda Unit 1	210	27/02/2018	18.00		Continued.	Poor Coal Receipt	
MSPGCL	Nasik Unit 3	210	01/03/2018	20.40		Continued.	Poor coal Receipt From 06.03.2018	
IPP	RPL(AMT) U-5	270	24/03/2018	07.36		Continued.	ID Fan Problem	
MSPGCL	Uran Unit 8	108	25/03/2018	06.25		Continued.	Thrust Bearing Tripped	
MSPGCL	Koradi Unit-8	660	27/03/2018	02.04		Continued.	Air heater problem	
IPP	JSW (J) U2	300	28/03/2018	11.36		Continued.	CW Duct Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Mar/2018

Statement-VII

Position as on 6.30 Hrs of 29/Mar/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 - Akola-II ckt-I	IntraState	28/03/2018	06.29		Continued.	T	Distance Protection
765 KV ICT Outages/Trippings							
765/400kV 1500MVA ICT-I@Koradi-III	IntraState	28/03/2018	11.23	28/03/2018	15.33	PO	Line Maintenance work
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	27/03/2018	18.13	28/03/2018	06.37	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/03/2018	19.16		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	27/03/2018	09.35	28/03/2018	09.15	PO	Tan Delta Testing Work. RFC 18.35 HRS
Khadka-Aurangabad (Waluj)	IntraState	27/03/2018	19.49	28/03/2018	06.34	HT	Over Voltage
Warora-Tirora-Ii	IntraState	28/03/2018	07.53	28/03/2018	18.57	PO	Line Maintenance work
Padghe - Nagothane - I	IntraState	28/03/2018	09.07	28/03/2018	20.05	PO	String Replacement Work.
Khadka-Aurangabad (Waluj)	IntraState	28/03/2018	19.58		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	28/03/2018	20.10		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	27/03/2018	19.41	28/03/2018	06.20	PO	Y-Phase 220KV Side CT Burst.
500 MVA ICT I @ Kudus	IntraState	28/03/2018	09.47	28/03/2018	12.57	PO	Taking OLTC In Service.
400/220 KV 500MVA ICT II @ Nanded	IntraState	28/03/2018	11.30	28/03/2018	14.08	PO	For Collecting Oil Sample For DGA Testing.
400/220KV 500MVA ICT-I @Nanded	IntraState	28/03/2018	14.22	28/03/2018	16.09	PO	Tan Delta Work.
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.
Nasik Navsari II	InterState	28/03/2018	09.38	28/03/2018	16.34	PO	Line Maintenance work
Tillari Amona	InterState	28/03/2018	20.58		Continued.	T	Distance Protection
Mahalakshmi Amona	InterState	28/03/2018	20.59	28/03/2018	21.54	T	Distance Protection
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.
Kharghar-Borivali ckt II	IntraState	07/06/2017	12:23		Continued.	T	Distance Protection
Pedambe-Nerle	IntraState	23/09/2017	00.50		Continued.	T	'B'Phase CT Burst
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)
Shivajinagar-Gangapur	IntraState	27/03/2018	10.10	28/03/2018	17.31	T	Distance Protection
Kharghar-Sonkhar	IntraState	28/03/2018	06.16		Continued.	HT	Replacement Of Line Conductor.
Wani-Warora	IntraState	28/03/2018	07.32	28/03/2018	16.48	PO	Stringing Work.
Goregaon Versova Line 2	IntraState	28/03/2018	08.29	28/03/2018	13.07	PO	Replacement Of Polymer Insulator On VCB.
Talandage - Sawantwadi I	IntraState	28/03/2018	09.00	28/03/2018	10.54	PO	Insulator Replacement Work
Kharghar - Tss Panvel	IntraState	28/03/2018	10.10	28/03/2018	15.02	PO	Testing Work
Uran - Apta III	IntraState	28/03/2018	10.17	28/03/2018	17.20	PO	Replacement Of Auxiliary Switch.
Nagar-Bose II	IntraState	28/03/2018	13.07	28/03/2018	18.35	PO	Line Maintenance work

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 28/Mar/2018

Statement-VII

Position as on 6.30 Hrs of 29/Mar/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Butibori - VIPL Ckt I	IntraState	28/03/2018	14.35	28/03/2018	18.43	PO	Tan Delta Measurment of CTs
Pophali - Nerale	IntraState	28/03/2018	14.40	28/03/2018	18.45	T	Attending Hot Spot
Bhugaon-WardhaPG (Deoli)	IntraState	28/03/2018	19.04	28/03/2018	19.43	T	Bhugaon ICT 2 Tripped.
Loteparshuram- Dasturi Line	IntraState	29/03/2018	05.55		Continued.	T	Distance Protection
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(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)
220/66 Kv 150 Mva Ngef Ict 1 @Gadchandur	IntraState	04/03/2018	02.55		Continued.	T	Differential protection
220/132kv 100 Mva Imp Ict 2 @Limbala Midc Hingoli	IntraState	25/03/2018	09.34		Continued.	PO	Oil Filtration With Dehydration As Moisture Content With Increasing Detected, Increasing Trend Of CO And CO2
100MVA ICT - I @ Boisar-II	IntraState	26/03/2018	13.54		Continued.	T	Buccholz Protection Optd
220/132 Kv 100 Mva Cgl Ict 2 @Pusad	IntraState	28/03/2018	09.04	28/03/2018	15.41	PO	Painting Work.
220/132 Kv 200 Mva Ict - 2 @Harangul	IntraState	28/03/2018	18.21	28/03/2018	21.52	PO	Measurment of Tan Delta of ICT Bushings.
220/132 Kv 100 Mva Cgl Ict 1 @Bhugaon	IntraState	28/03/2018	19.04		Continued.	T	REF Protection Operated.
132 KV LINE Outages/Trippings							
Mansar Pench	InterState	25/03/2018	21.25		Continued.	T	Y-PHASE BUS P T BURST.
Kanhan-Mansar	IntraState	25/03/2018	21.25		Continued.	T	Y-PHASE BUS PT BRUST. 16 MW LOAD AFFECTED.
Bhugaon - Seloo	IntraState	28/03/2018	19.04	28/03/2018	19.30	T	Bhugaon ICT 2 Tripped On REF.

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