

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Mar/2020 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	72.384	4090.782	1) Gujrat	6.829	205.526
2) Hydro	11.352	262.824	2) Madhya Pradesh	15.230	392.164
3) Gas	6.818	198.429	3) Chattisgarh	5.720	161.190
Total MSPGCL	90.554	4552.035	4) Maharashtra	102.720	3384.118
B) 1) APMIL	60.332	1883.857	5) Goa (Amona)	0.000	-8.558
2) JSWEL	8.790	434.534	Total	130.499	4134.440
3) VIPL	0.000	0.000	a) Mumbai Schedule	16.483	602.780
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	14.524	617.768
5) WPCL	5.605	102.608	c) MSEDCL Bilateral *	39.602	1013.918
6) Other IPP	8.844	383.496	Include PX	20.850	205.385
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	16.483	602.780
C) 1) TPCL Thermal	11.549	368.267	Include PX	2.690	167.413
2) TPCL Hydro	2.733	102.086	Standby	0.000	0.000
3) TPCL Gas	2.595	83.014	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.330	276.583	1) MSEDCL	307.672	11511.831
D) STATE			2) Mumbai Discoms	40.731	1447.726
1) Thermal	176.834	7604.538	TOTAL STATE	348.403	12959.557
(A1+C1+C4+(B1-B6))					
2) Hydro	14.085	364.910			
(A2+C2)					
3) Gas	9.413	281.443			
(A3+B7+C3)					
4) Wind	10.017	359.742			
6) SOLAR	7.555	214.476			
TOTAL STATE	217.904	8825.109			

* 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 23 Hrs
MSPGCL Thermal	3026	2822	3152	2962
MSPGCL Hydro	304	271	439	132
MSPGCL Gas	279	267	275	300
MSPGCL Total Generation	3609	3360	3866	3394
Central Sector Receipt	6616	7089	4590	4824
WIND	233	269	271	559
CPP / IPP Thermal	3615	3564	3631	3432
CPP / IPP Gas	0	0	0	0
SOLAR	979	993	0	0
Exchange with Mumbai	-718	-690	-667	-804
MSEDCL DEMAND MET	14334	14585	11691	11405
Load Shedding	0	0	0	0
MSEDCL DEMAND	14334	14585	11691	11405
TPCL GENERATION	629	642	760	696
AEML GENERATION	373	374	373	374
MUMBAI DEMAND	1720	1706	1800	1874
STATE DEMAND MET	16054	16291	13491	13279
STATE DEMAND	16054	16291	13491	13279
Frequency (Hz)	50.03	50.04	49.98	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 13.40 Hrs	49.75 Hz at 16.45 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 29/Mar/2020

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	10.92	308.05	524	310
Unit 9	10.22	322.00	530	380
Unit 10	10.19	310.30	475	380
Total	31.33	940.36		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	211.68	0	0
Unit 5	0.00	212.19	0	0
Total	0.00	423.87		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	77.26	0	0
Unit 7	0.00	69.80	0	0
Unit 8	0.00	120.48	0	0
Total	0.00	267.54		
Chandrapur				
Unit 3	0.00	107.76	0	0
Unit 4	0.00	102.86	0	0
Unit 5	0.00	162.73	0	0
Unit 6	0.00	221.38	0	0
Unit 7	0.00	243.97	0	0
Unit 8	10.12	261.06	485	360
Unit 9	9.94	285.94	460	360
Total	20.06	1385.70		
Paras				
Unit 3	5.45	140.22	256	186
Unit 4	5.48	144.01	256	187
Total	10.93	284.23		
Khaparkheda				
Unit 1	0.00	96.24	0	0
Unit 2	0.00	101.78	0	0
Unit 3	0.00	100.65	0	0
Unit 4	0.00	95.80	0	0
Unit 5	10.06	293.55	490	360
Total	10.06	688.02		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	101.06	0	0
Unit 5	0.00	0.00	0	0
Total	0.00	101.06		
Uran				
All Units	6.82	198.43	305	267
Total	6.82	198.43		
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	1.43	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.00	1.43		
Koyna				
Stage 1-2	4.92	90.82	545	40
Stage 4	1.96	64.39	499	0
Stage 3	1.53	34.11	194	0
Total	8.40	189.32		
Hydro				
KDPH	0.89	21.60	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.74	11.11	62	0
BHTGR/VEER	0.00	0.36	0	0
BHIRA T.R.	0.12	4.61	80	0
RNGR+BHTSA	0.25	9.18	14	0
BHANDARDRA	0.47	10.38	20	19
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.49	14.78	31	18
GHATGHAR	0.00	1.49	0	0
Total	2.95	73.50		
Wind				
Total	10.02	359.74	0	0
Total	10.02	359.74		
CPP				
APML(Mus)	60.33	1883.86	0	0
JSWEL(Mus)	8.79	434.53	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.60	102.61	0	0
Other(Mus)	8.84	383.50	0	0
Total	83.57	2868.91		
SOLAR				
Total	7.56	214.48	0	0
Total	7.56	214.48		
Tata				
Trombay 5	7.30	236.51	442	266
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.44	48.83	61	59
Trombay 7B	1.15	34.18	49	47
Trombay 8	4.24	131.76	241	152
TATA Hydro	2.73	102.09	235	52
Total	16.88	553.37		
AEML				
DTPS U-1&2	9.33	276.58	502	372
Total	9.33	276.58		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	72.38	4090.78	MSPGCL Total	90.55	4552.04
			MSPGCL Thml+Gas	79.20	4289.21	Koyna 1,2 & 4 Total	6.87	155.21
			MSPGCL Hydro	11.35	262.82	State Total	217.90	8825.11

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/Mar/2020

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	3013	634	288	3935	678	3195	0	0	4929	5045	-605	12248	0	12248	1772	14020	50.00
2	3052	449	290	3791	710	3198	0	0	4894	4819	-507	12011	0	12011	1738	13749	50.01
3	3074	324	291	3689	703	3194	0	0	4863	4983	-612	11957	0	11957	1666	13623	49.98
4	3093	319	291	3703	609	3202	0	0	4839	5006	-630	11890	0	11890	1603	13493	50.00
5	3182	563	281	4026	504	3240	0	0	4944	4892	-591	12071	0	12071	1571	13642	49.90
6	3172	964	305	4441	487	3376	0	0	5095	5169	-495	12978	0	12978	1600	14578	49.96
7	3070	1237	294	4601	495	3493	0	7	5897	5629	-265	13960	0	13960	1610	15570	49.98
8	3107	895	286	4288	363	3660	0	182	6098	5871	-264	14100	0	14100	1605	15705	50.02
9	3109	350	300	3759	382	3809	0	492	5843	5853	-397	13898	0	13898	1616	15514	50.06
10	3123	363	287	3773	272	3800	0	728	5446	5588	-559	13602	0	13602	1639	15241	50.06
11	3100	351	274	3725	270	3727	0	980	5810	5870	-696	13876	0	13876	1700	15576	50.10
12	3026	304	279	3609	233	3615	0	979	6622	6616	-718	14334	0	14334	1720	16054	50.03
13	2822	271	267	3360	269	3564	0	993	6920	7089	-690	14585	0	14585	1706	16291	50.04
14	2808	279	267	3354	230	3526	0	1017	6799	6864	-680	14311	0	14311	1692	16003	50.19
15	2831	363	276	3470	258	3522	0	846	6481	6885	-651	14330	0	14330	1664	15994	50.05
16	2918	940	268	4126	268	3488	0	652	6289	6206	-630	14110	0	14110	1642	15752	49.99
17	3007	1099	277	4383	388	3475	0	507	5391	5221	-608	13366	0	13366	1626	14992	49.91
18	2893	294	270	3457	337	3462	0	147	5212	5090	-572	11921	0	11921	1621	13542	50.00
19	2877	210	292	3379	240	3440	0	25	4534	4605	-599	11090	0	11090	1660	12750	49.96
20	3152	439	275	3866	271	3631	0	0	4432	4590	-667	11691	0	11691	1800	13491	49.98
21	3110	148	288	3546	451	3634	0	0	4462	4264	-715	11180	0	11180	1854	13034	50.01
22	3034	142	291	3467	466	3481	0	0	4651	4448	-727	11135	0	11135	1866	13001	50.02
23	2962	132	300	3394	559	3432	0	0	4946	4824	-804	11405	0	11405	1874	13279	49.98
24	2849	282	281	3412	574	3407	0	0	4932	5072	-842	11623	0	11623	1886	13509	49.97
MUs	72.38	11.35	6.82	90.55	10.02	83.57	0.00	7.55	130.33	130.50	-14.52	307.67	0.00	307.67	40.73	348.40	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 29/Mar/2020

Position as on 6.30 Hrs of 30/Mar/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
FORCED OUTAGE								
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
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	Koradi Unit 7	210	27/08/2019	09.52		Continued.	Coal Flow Problem Due To Wet Coal.(Converted To Zero Schedule From 12.09.2019 At 10.00 hrs)	
MSPGCL	Bhusawal Unit 3	210	01/09/2019	17.56		Continued.	Zero Schedule from 18:00hrs of 28/09/2019	
MSPGCL	Koradi Unit 6	210	06/09/2019	15.41		Continued.	Zero Schedule By MSEDCL	
IPP	RPL(AMT) U-4	270	12/11/2019	00.00		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 5	210	12/12/2019	10.25		Continued.	PA Fan Problem (Under Case 4 Bidding From 11.00Hrs DT. 13-12-2019)	
IPP	RPL(AMT) U-3	270	11/02/2020	18.00		Continued.	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-5	270	11/02/2020	19.30		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Nasik Unit 3	210	17/02/2020	00:00		Continued.	C W PUMP High Vibrations(convert to Zero Schedule from 00.00Hrs DT. 18-02-2020)	
MSPGCL	Ghatghar Unit-1	125	18/02/2020	00.25		Continued.	Severe Hunting In Hydro Conduit Across MIV	
IPP	JSW (J) U1	300	01/03/2020	06.10		Continued.	Governor Valve Replacement.	
MSPGCL	Uran Unit 8	108	01/03/2020	20.57		Continued.	Gas shortage	
IPP	RPL(AMT) U-1	270	04/03/2020	19.30		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Ghatghar Unit-2	125	09/03/2020	10:50		Continued.	Expansion joint leakage.	
IPP	RPL(AMT) U-2	270	09/03/2020	20.15		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 6	250	21/03/2020	17.31		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Parli Unit 7	250	22/03/2020	10.45		Continued.	Zero Schedule. (R S D FROM 10:45 TO 16:00 Hrs.)	
MSPGCL	Bhusawal Unit 4	500	22/03/2020	18.30		Continued.	Zero Schedule.	
MSPGCL	Bhusawal Unit 5	500	23/03/2020	01.13		Continued.	Zero schedule.	
MSPGCL	Parli Unit 8	250	23/03/2020	18.00		Continued.	Zero Schedule.	
MSPGCL	Chandrapur Unit 6	500	23/03/2020	21.59		Continued.	Clinker Removal Work.	
IPP	Adani U-1	660	25/03/2020	01.30	29/03/2020	04.30	APH-A Hot PA Bellow Leakage.	
MSPGCL	Khaparkheda Unit 2	210	25/03/2020	18.02		Continued.	Reserve Shut Down.	
MSPGCL	Khaparkheda Unit 1	210	25/03/2020	18.03		Continued.	Reserve Shut Down.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Mar/2020

Position as on 6.30 Hrs of 30/Mar/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	25/03/2020	19.45		Continued.	Reserve Shut Down.	
MSPGCL	Khaparkheda Unit 3	210	25/03/2020	23.55		Continued.	Reserve Shut Down.	
MSPGCL	Khaparkheda Unit 4	210	25/03/2020	23.58		Continued.	Reserve Shut Down.	
IPP	JSW (J) U2	300	26/03/2020	00.13		Continued.	No schedule.	
MSPGCL	Chandrapur Unit 3	210	26/03/2020	14.31		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Chandrapur Unit 4	210	26/03/2020	16.06		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Chandrapur Unit 5	500	26/03/2020	20.29		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Uran Unit 5	108	27/03/2020	05.53		Continued.	Mal Function	
MSPGCL	Chandrapur Unit 7	500	28/03/2020	23.56		Continued.	Zero Schedule.	
MSPGCL	Khaparkheda Unit 5	500	30/03/2020	17.42		Continued.	Zero schedule.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 30/Mar/2020

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
Padgha - Boisar (PG)	InterState	25/03/2020	18.00		Continued.	T	Over Voltage
Dhule Sar'Sarovar II	InterState	28/03/2020	10.08	30/03/2020	05.42	HT	Over Voltage
Dabhol Nagothane I	InterState	28/03/2020	13.13		Continued.	T	Over Voltage
Dhule Sar'Sarovar I	InterState	30/03/2020	17.32		Continued.	HT	Over Voltage
Babhaleshwar - Padghe-II	IntraState	22/03/2020	08.19		Continued.	T	Over Voltage
Padghe - Kalwa-II	IntraState	22/03/2020	16.57		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	23/03/2020	18.12		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	23/03/2020	20:37		Continued.	HT	Over Voltage
Dhule- Bableswhar - I	IntraState	24/03/2020	20.20		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	25/03/2020	15.38		Continued.	HT	Over Voltage
Padghe - Nagothane - I	IntraState	25/03/2020	16.10		Continued.	T	Over Voltage
New Koyna - Koyna Stage IV-II	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
New Koyna - Dabhol-I	IntraState	25/03/2020	18.01		Continued.	T	Over Voltage
Koradi-Khaperkheda I	IntraState	25/03/2020	20.21		Continued.	T	Over Voltage
Koradi-Bhusawal	IntraState	25/03/2020	20.21		Continued.	T	Distance Protection
Kalwa - Talegaon(PG)	IntraState	28/03/2020	16.47		Continued.	PO	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/03/2020	18.10		Continued.	HT	Over Voltage
Pune(GIS)-A'bad(Waluj) Ckt 2	IntraState	29/03/2020	21.28	29/03/2020	23.08	EO	SF 6 Gas Leakage.
Parly(MS)- Nanded ckt II	IntraState	30/03/2020	19.23		Continued.	T	Distance Protection
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 2 @ CHANDRAPUR 2	IntraState	09/03/2020	12.57		Continued.	EO	Testing work (Bushing Tan Delta problem hence kept out.)
400/220 Kv 500 MVA ICT-IV @Kalwa	IntraState	22/03/2020	10.13		Continued.	HT	Hand tripped from LV end to control Over Voltage.
400/220/33 Kv 315 Mva Ict- 2 @Kharghar	IntraState	25/03/2020	13.59		Continued.	EO	CT Tan Delta High.
400/220/33kv 500MVA ICT 5 @ Padghe	IntraState	25/03/2020	16.32		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	25/03/2020	17.57		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220/33 Kv 500 MVA ICT-II @Lonikand 2	IntraState	25/03/2020	22.00		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220/33kv 315mva Ict3 @Lonikand	IntraState	25/03/2020	22.01		Continued.	HT	LV Side CB Hand Tripped For Voltage.
400/220 Kv 500 MVA ICT-III @Kalwa	IntraState	28/03/2020	18.07		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Mudshingi Chikodi	InterState	24/09/2019	17.12		Continued.	PO	No Schedule.
Talandage - Chikodi	InterState	01/10/2019	17.10		Continued.	PO	No Schedule.(close at Chikodi end only)
BOISAR BORIVALI	IntraState	24/07/2018	13.18		Continued.	HT	To Control Line Loading(H/T from Boisar end)
Borivali - Ghodbunder	IntraState	30/01/2020	12.05		Continued.	PO	Isolation of 220KV Cables on MSETCL Tower NO.240
Lonand-Baramati	IntraState	16/02/2020	09.37		Continued.	PO	Erection of CTT-2 Tower Work For 220Kv Baramati-Lonand & Baramati Jejuri Cables Emanating from 220Kv Baramati S/Stn.
Karad(400kv) -Mudshingi Ckt 2-Tak	IntraState	02/03/2020	11.12		Continued.	PO	Stringing Of New Earth Wire at loc no.112 to 132.
Hinjewadi2 - Hinjewadi 3 ckt 1	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage

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 29/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 30/Mar/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Hinjewadi2 - Hinjewadi 3 ckt II	IntraState	26/03/2020	10.20		Continued.	HT	Over Voltage
Yeotmal- Pusad	IntraState	29/03/2020	18.32	30/03/2020	12.50	T	Distance Protection
BHUGAON WARORA CKT-II	IntraState	29/03/2020	19.13	30/03/2020	11.55	T	Distance Protection
Parly-Parly Extn-I	IntraState	30/03/2020	18.58	30/03/2020	22.25	T	Distance Protection
220 KV ICT Outages/Trippings							
Carnac : 220 / 110 / 33 315 MVA ICT 5	IntraState	14/03/2020	11.00		Continued.	PO	Shifting 220KV Side to New GIS