

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 24/Mar/2020 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	123.939	3652.013	1) Gujrat	5.681	170.883
2) Hydro	7.340	208.717	2) Madhya Pradesh	10.752	325.089
3) Gas	6.491	165.595	3) Chattisgarh	4.570	133.430
Total MSPGCL	137.770	4026.325	4) Maharashtra	103.478	2885.344
B) 1) APML	57.975	1640.486	5) Goa (Amona)	0.000	-8.470
2) JSWEL	13.956	386.017	Total	124.481	3506.276
3) VIPL	0.000	0.000	a) Mumbai Schedule	15.902	508.920
4) RPL(AMT)	0.000	64.411	b) Mumbai Drawl	15.433	534.900
5) WPCL	5.555	74.761	c) MSEDCL Bilateral *	32.677	836.616
6) Other IPP	11.617	336.225	Include PX	6.744	125.811
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	15.902	508.920
C) 1) TPCL Thermal	11.830	311.304	Include PX	2.878	145.356
2) TPCL Hydro	3.516	85.094	Standby	0.000	0.000
3) TPCL Gas	2.590	70.140	H) ENERGY CATERED (MUs)		
4) AEML Thermal	9.742	233.997	1) MSEDCL	351.280	9990.562
D) STATE			2) Mumbai Discoms	43.111	1235.440
1) Thermal	234.614	6699.214	TOTAL STATE	394.391	11226.002
(A1+C1+C4+(B1-B6))					
2) Hydro	10.856	293.811			
(A2+C2)					
3) Gas	9.081	235.735			
(A3+B7+C3)					
4) Wind	8.536	310.419			
6) SOLAR	6.823	180.542			
TOTAL STATE	269.910	7719.721			

* 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	5362	5305	4756	4839
MSPGCL Hydro	296	187	245	823
MSPGCL Gas	268	258	263	276
MSPGCL Total Generation	5926	5750	5264	5938
Central Sector Receipt	6340	6174	4609	4617
WIND	331	267	610	389
CPP / IPP Thermal	3944	3948	3225	3176
CPP / IPP Gas	0	0	0	0
SOLAR	1008	994	0	0
Exchange with Mumbai	-689	-690	-774	-867
MSEDCL DEMAND MET	16860	16443	12934	13253
Load Shedding	0	0	0	0
MSEDCL DEMAND	16860	16443	12934	13253
TPCL GENERATION	771	797	736	732
AEML GENERATION	373	373	374	374
MUMBAI DEMAND	1833	1860	1884	1973
STATE DEMAND MET	18693	18303	14818	15226
STATE DEMAND	18693	18303	14818	15226
Frequency (Hz)	50.04	49.98	50.01	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.3 Hz at 17.03 Hrs	49.86 Hz at 13.26 Hrs	50.03	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 24/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	12.41	257.95	598	450
Unit 9	12.56	269.36	610	460
Unit 10	11.79	257.88	510	452
Total	36.77	785.19		
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	4.27	101.31	190	163
Unit 4	4.06	96.33	178	160
Unit 5	9.49	145.73	440	365
Unit 6	0.00	221.38	0	0
Unit 7	9.44	206.34	440	352
Unit 8	9.80	211.23	435	360
Unit 9	9.67	238.46	460	365
Total	46.73	1220.78		
Paras				
Unit 3	5.52	113.70	259	201
Unit 4	5.66	117.23	256	197
Total	11.19	230.93		
Khaparkheda				
Unit 1	3.74	93.87	165	140
Unit 2	3.84	98.83	185	140
Unit 3	4.02	96.72	200	150
Unit 4	4.14	91.96	195	160
Unit 5	9.45	244.47	420	360
Total	25.20	625.86		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.06	97.84	202	160
Unit 5	0.00	0.00	0	0
Total	4.06	97.84		
Uran				
All Units	6.49	165.60	293	256
Total	6.49	165.60		
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)	0.14	1.34	43	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.14	1.34		
Koyna				
Stage 1-2	2.86	66.00	505	40
Stage 4	0.76	56.00	277	0
Stage 3	0.95	26.66	160	0
Total	4.56	148.66		
Hydro				
KDPH	0.89	17.16	37	37
VTRNA	0.00	0.00	0	0
TILLARI	0.24	8.86	60	0
BHTGR/VEER	0.00	0.36	0	0
BHIRA T.R.	0.08	4.09	70	0
RNGR+BHTSA	0.34	7.94	15	14
BHANDARDRA	0.46	8.03	29	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.76	12.14	42	29
GHATGHAR	0.00	1.49	0	0
Total	2.78	60.06		
Wind				
Total	8.54	310.42	0	0
Total	8.54	310.42		
CPP				
APML(Mus)	57.98	1640.49	0	0
JSWEL(Mus)	13.96	386.02	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT(Mus)	0.00	64.41	0	0
WPCL(Mus)	5.56	74.76	0	0
Other(Mus)	11.62	336.22	0	0
Total	89.10	2501.90		
SOLAR				
Total	6.82	180.54	0	0
Total	6.82	180.54		
Tata				
Trombay 5	7.42	200.47	418	269
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.44	41.68	64	59
Trombay 7B	1.15	28.46	50	47
Trombay 8	4.41	110.84	241	152
TATA Hydro	3.52	85.09	270	6
Total	17.94	466.54		
AEML				
DTPS U-1&2	9.74	234.00	502	372
Total	9.74	234.00		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	123.94	3652.01	MSPGCL Total	137.77	4026.32
			MSPGCL Thml+Gas	130.43	3817.61	Koyna 1,2 & 4 Total	3.61	122.00
			MSPGCL Hydro	7.34	208.72	State Total	269.91	7719.72

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 24/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	5315	149	287	5751	405	3857	0	0	4937	4791	-662	14142	0	14142	1922	16064	49.96
2	5290	134	270	5694	333	3708	0	0	4877	4766	-598	13903	0	13903	1815	15718	50.03
3	5203	139	269	5611	300	3734	0	0	4807	4803	-704	13744	0	13744	1687	15431	50.04
4	5210	179	277	5666	294	3730	0	0	4706	4900	-684	13906	0	13906	1645	15551	50.04
5	5307	134	281	5722	371	3788	0	0	4818	4670	-564	13987	0	13987	1650	15637	50.03
6	5278	274	283	5835	382	3836	0	0	5093	5240	-477	14816	0	14816	1695	16511	50.05
7	5264	779	274	6317	331	3853	0	11	5699	5796	-416	15892	0	15892	1695	17587	50.06
8	5289	461	293	6043	260	3865	0	165	5988	6017	-398	15952	0	15952	1707	17659	50.08
9	5304	229	269	5802	264	3857	0	439	5572	5493	-392	15463	0	15463	1775	17238	50.08
10	5340	231	265	5836	288	3801	0	729	5548	5327	-474	15507	0	15507	1783	17290	50.01
11	5296	232	271	5799	297	3950	0	882	5737	5993	-540	16381	0	16381	1742	18123	50.01
12	5362	296	268	5926	331	3944	0	1008	6211	6340	-689	16860	0	16860	1833	18693	50.04
13	5305	187	258	5750	267	3948	0	994	6109	6174	-690	16443	0	16443	1860	18303	49.98
14	5237	311	257	5805	243	3917	0	933	6109	6212	-710	16400	0	16400	1841	18241	49.99
15	5257	234	267	5758	243	3906	0	787	5934	6207	-695	16206	0	16206	1816	18022	50.05
16	5313	485	256	6054	226	3924	0	481	5821	6029	-659	16055	0	16055	1783	17838	50.03
17	5459	270	258	5987	391	3924	0	289	5459	5235	-613	15213	0	15213	1718	16931	50.11
18	5010	220	259	5489	560	3760	0	99	4686	4414	-671	13651	0	13651	1701	15352	50.07
19	4750	235	282	5267	485	3507	0	6	4394	4057	-678	12644	0	12644	1739	14383	50.02
20	4756	245	263	5264	610	3225	0	0	4492	4609	-774	12934	0	12934	1884	14818	50.01
21	4758	230	265	5253	717	3138	0	0	4165	4072	-763	12417	0	12417	1908	14325	50.05
22	4782	276	276	5334	373	3134	0	0	3982	4239	-770	12310	0	12310	1914	14224	49.99
23	4839	823	276	5938	389	3176	0	0	4047	4617	-867	13253	0	13253	1973	15226	50.03
24	5015	587	267	5869	176	3621	0	0	4404	4480	-945	13201	0	13201	2025	15226	50.03
MUs	123.94	7.34	6.49	137.77	8.54	89.10	0.00	6.82	123.60	124.48	-15.43	351.28	0.00	351.28	43.11	394.39	50.03

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 24/Mar/2020

Position as on 6.30 Hrs of 25/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	Uran Unit 6	108	21/03/2020	15.15		Continued.	Gas shortage	
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.	
IPP	Adani U-4	660	23/03/2020	18.27		Continued.	Hot PA bellow leakage.	
MSPGCL	Chandrapur Unit 6	500	23/03/2020	21.59		Continued.	Clinker Removal Work.	
IPP	Adani U-1	660	25/03/2020	01.30		Continued.	APH-A Hot PA Bellow Leakage.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 24/Mar/2020

Position as on 6.30 Hrs of 25/Mar/2020

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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.	
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.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 24/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 25/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
Dhule Sar'Sarovar I	InterState	23/03/2020	17.19		Continued.	HT	Over Voltage
Chakan Talegaon(Pg)	InterState	25/03/2020	17.04		Continued.	T	Over Voltage
Padgha Tarapur I	InterState	25/03/2020	17.12		Continued.	T	Over Voltage
Padgha - Boisar (PG)	InterState	25/03/2020	18.00		Continued.	T	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
Koradi-Bhusawal	IntraState	23/03/2020	11.54	25/03/2020	08.56	T	Distance Protection
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
Kalwa - Talegaon(PG)	IntraState	24/03/2020	16.02	24/03/2020	22.13	T	Distance Protection
Dhule- Bableswhar - I	IntraState	24/03/2020	20.20		Continued.	HT	Over Voltage
Koradi-RattanIndia	IntraState	25/03/2020	11.56	25/03/2020	14.47	PO	Replacement Of Flashover Bph String At Loc No.111
Bhusawal-Aurangabad	IntraState	25/03/2020	15.38		Continued.	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	25/03/2020	15.54		Continued.	T	Distance Protection
Padghe - Nagothane - I	IntraState	25/03/2020	16.10		Continued.	T	Over Voltage
Padghe - Kalwa- I	IntraState	25/03/2020	17.12		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
Khadka - Bableswhar	IntraState	25/03/2020	18.07		Continued.	T	Over Voltage
BABHALESHWAR - RPL(NASHIK) CKT - 1	IntraState	25/03/2020	18.25	25/03/2020	22.55	T	Over Voltage
Koradi-Bhusawal	IntraState	25/03/2020	20.21		Continued.	T	Distance Protection
Koradi-Khaperkheda I	IntraState	25/03/2020	20.21		Continued.	T	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 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 kv 500 MVA ICT III @ Jejuri	IntraState	25/03/2020	03.30	25/03/2020	08.09	T	Tripped on Teed protection.
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.
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	25/03/2020	17.57		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 315 Mva Ict 2 @Dhule	IntraState	25/03/2020	18.45		Continued.	T	NDR Protection Operated.
400/220/33 Kv 315 MVA ICT II @Babhleshwar	IntraState	25/03/2020	20.12		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.
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

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 24/Mar/2020

Statement-VII

Position as on 6.30 Hrs of 25/Mar/2020

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							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.
Deepnagar Bambhori	IntraState	24/03/2020	18.14	25/03/2020	06.30	HT	Damage of Adjacent string Of B-Phase Of DSN.
Karad - Vita Ckt- I	IntraState	24/03/2020	22.50	25/03/2020	13.57	T	Distance Protection
Dhule-Chalisagaon	IntraState	25/03/2020	06.24	25/03/2020	08.13	T	To Control ICT Loading.
Pophli Pedhmbe Line- 1	IntraState	25/03/2020	13.10	25/03/2020	13.55	PO	Oil Top Up In CT.
Adlabs - Pedambe	IntraState	25/03/2020	15.19		Continued.	T	Distance Protection
Jejuri-Phursungi ckt-1	IntraState	25/03/2020	17.26	25/03/2020	19.44	PO	Work Of Broken String Replacement.
Miraj - Mhaishal	IntraState	25/03/2020	21.32		Continued.	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

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