Executive Summary

Papers recently published explore MFI operational and client specific recommendations in response to the Global COVID-19 disease caused by the novel coronavirus pandemic. This paper provides some insight in how to use the financial projection software, Microfin, in determining the MFI financial and cash flow implications once operational decision have been made.

It's all about cash

Business operations can suffer accounting losses for months and even years and still thrive. Amazon and Uber are just two such examples. However, without cash to pay employees, suppliers, and eventually financiers, the operations will come to a grinding halt. Thus, MFIs need to project the impact that cash inflows and outflows will have on their business viability and immediately communicate those impact scenarios to lenders, financiers, central banks, with clarity, transparency, and frequency if they are going to survive.

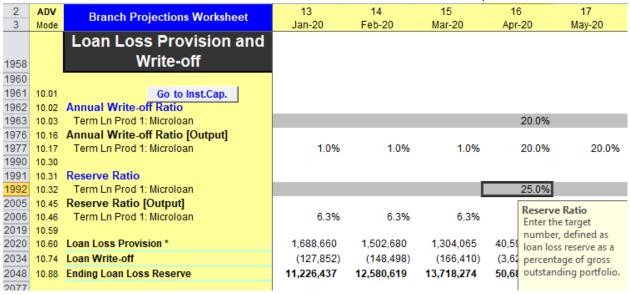
Cash Inflows:

Cash from borrowers

Borrowers are likely going to have a more difficult time paying their loans due to decreased economic activity when governments mandate that individuals "shelter in place" for a period of time. In addition, branches or other physical payment locations may not be open for business, and loan (collection) officers, may be temporarily sidelined as well.

Microfin Implications

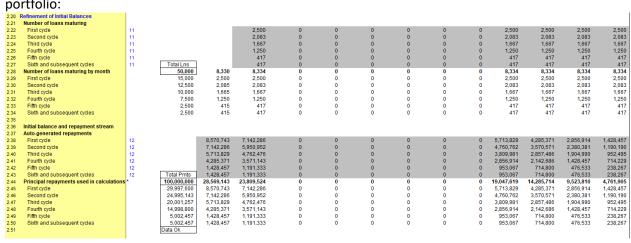
In a less severe case, the MFI may just need to adjust the loan loss reserve ratio, the loan write off ratio, and the client retention ratio. The first two items are found on the branch sheet, as shown below:



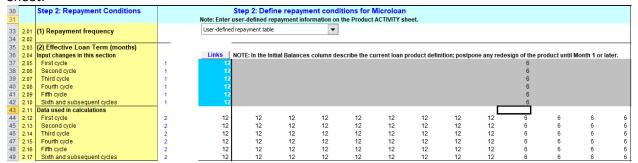
The client retention ratio is found on the Product Activity Sheet as shown below:

	С	D	T	U	V	W	Х
2	ADV	Term Loan Product Activity Sheet (PAS)	13	14	15	16	17
3	Mode	Microloan	Jan-20	Feb-20	Mar-20	Apr-20	May-20
266		Step 3: Retention rates					
267			Enter the curro annualized cli This will be us -specific rates choose to ove	ent retention rate ed to generate co . You may then :rride those rates :low (except in	/cle		
269							
284	4.13					222/	
285		Target Annualized Client Retention Rate	000/	000/	000/	60%	600/
286 287		Draduat ratantian rata nar avala	90%	90%	90%	60%	60%
288	4.16 4.17	Product retention rate per cycle First-to-Second Cycle					
289	4.17	Second-to-Third Cycle					
290	4.10	Third-to-Fourth Cycle					
291	4.19	Fourth-to-Fifth Cycle					
292	4.21	Fifth-to-Sixth and Subsequent					
293		First-to-Second Cycle	95%	95%	95%	77%	77%
294	4.23	Second-to-Third Cycle	95%		95%	77%	77%
295	4.24	Third-to-Fourth Cycle	95%		95%	77%	77%
296	4.25	Fourth-to-Fifth Cycle	95%		95%	77%	77%
297	4.26	Fifth-to-Sixth and Subsequent	95%		95%	77%	77%
299		% clients reaching sixth cycle	77%		77%	28%	28%

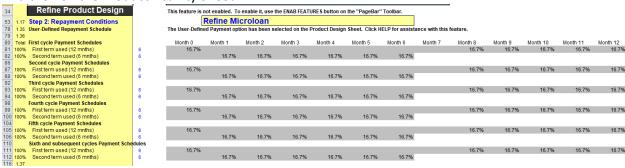
In a more severe case, you may want to model the complete suspension of all loan recoveries. To do this in Microfin, you'll need to be in advanced mode and adjust how Microfin treats the historical loan portfolio:



You will also need to consider refinements to the current loan portfolio. First on the Product Design Sheet:



And then on the Product Activity Sheet:



In each of these screen shots above, the loans were for six months with a suspension of payments for six months starting in March 2020 and starting back up in September 2020, making a new loan term of 12 months. In September 2020 loans were again being made for 6 months

Cash flows from savers:

Savers probably aren't going to save much during this crisis, but the cash flow implication hits the outflows of savings, discussed below.

Cash flows from investors:

Investors are rightfully nervous during this pandemic. That said, you need to give them all comfort that you are communicating truthfully, frequently, and accurately. You will likely need additional financing during this period, as repayments are not coming from borrowers, and there are likely additional outflows to savers (see below). I am aware that government backed facilities are being established or are already in place in the United States and the United Kingdom to backstop banks. However this may not be the case in many other countries, or the central bank may be more concerned with larger national banks than smaller Microfinance focused institutions. Now is the time to review your lending facilities and make plans for fresh loans or expanding existing facilities with existing sources.

Microfin Implications

In Microfin, you will input addition borrowings from existing sources on the Fin Flows sheet:

4	С	D	Т	U	V	W	X
1	ADV	Financing Flows	13	14	15	16	17
2	Mode	Financing Flows	Jan-20	Feb-20	Mar-20	Apr-20	May-20
3	1	Ending rest. resources, operations	0	0	0	0	0
4	2	Ending rest. resources, portfolio	0	0	0	4,891,207	15,774,472
5	3	Ending rest. resources, other assets	0	0	0	0	0
6	4	Ending unrestricted resources avail.	24,451,343	12,039,951	12,268,923	3,000,184	937,305
7	5	Excess/shortfall incl. liquidity requirements	12,564,218	0	0	0	8,786,647
224	3.113	Restricted loans for PORTFOLIO					
227	3.116	Local Bank				20,000,000	
228	3.117	Local Bank, value in Ontis	0	0	(2,500,000)	20,000,000	0
229	3.118	Local Bank: Balance	20,000,000	20,000,000	17,500,000	37,500,000	37,500,000

In the example above, the MFI has successfully negotiated a 20,000,000 increase in the facility from "Local Bank".

Cash Outflows:

Cash flows to borrowers:

You will need to make some difficult decisions regarding how you treat borrower disbursements. In a less severe case, you may consider extending the same amount of a loan to the borrowers instead of increasing that loan size.

Microfin Implications

Adjustments would be done on the Product Design Sheet:

	С	D	Т	U	V	W	Х
1	ADV	Term Loan Product Design Sheet (PDS)	13	14	15	16	17
2	Mode	Microloan	Jan-20	Feb-20	Mar-20	Apr-20	May-20
9		Step 1: Average loan amount					
10							
12	1.01	(1) Average amounts by cycle					
13	1.02	Input changes in this section					
14	1.03	First cycle	5,000				
15	1.04	Second cycle	6,000			5,000	
16	1.05	Third cycle	7,000			6,000	
17	1.06	Fourth cycle	8,500			7,000	
18	1.07	Fifth cycle	10,500			8,500	
19	1.08	Sixth and subsequent cycles	12,500			11,000	
20	1.09	Data used in calculations					
21	1.10	First cycle	5,000	5,000	5,000	5,000	5,000
22	1.11	Second cycle	6,000	6,000	6,000	5,000	5,000
23	1.12	Third cycle	7,000	7,000	7,000	6,000	6,000
24	1.13	Fourth cycle	8,500	8,500	8,500	7,000	7,000
25	1.14	Fifth cycle	10,500	10,500	10,500	8,500	8,500
26	1.15	Sixth and subsequent cycles	12,500	12,500	12,500	11,000	11,000

Perhaps the sixth and subsequent cycles would be a bit more than the fifth cycle as shown above.

You may also want to consider not making any additional loans to those who aren't already borrowers. This is done on the Product Activity Sheet:

- 4	С	D	Т	U	V	W	Х
2	ADV	Term Loan Product Activity Sheet (PAS)	13	14	15	16	17
3	Mode	Microloan	Jan-20	Feb-20	Mar-20	Apr-20	May-20
254	3.25						
255	3.26	Total number of clients for this product	NOTE: Line 3.2	8 is using cons	olidation estim	ate	
256	3.27	Growth rate from branch estimate	3.5%				
257	3.28	Input (% or actual monthly growth)				-1696	-1709
258	3.29	Monthly growth used in calculations	3.5%	3.5%	3.5%	-1696	-1709
264	3.35	Total number of clients by month *	46,576	48,206	49,893	48,197	46,488
0.01			1				

The negative figures are needed to reduce the number of new loans Microfin projects based on client retention. These numbers are found in the reporting section "clients discontinuing this product" in April and May 2020 as shown below.

- 4	С	D	T	U	V	W	X
2	ADV	Term Loan Product Activity Sheet (PAS)	13	14	15	16	17
3	Mode	Microloan	Jan-20	Feb-20	Mar-20	Apr-20	May-20
430	6.76						
432	6.78	Actions of clients with maturing loans	7,373	7,422	7,473	7,523	7,578
433	6.79	Clients immediately renewing	6,994	7,040	7,089	5,827	5,869
436	6.82	Clients discontinuing this product	379	382	384	1,696	1,709
427	0.00						

In a more severe case, you may want to suspend all disbursements for all or a portion of clients for a few months. The example below assumes no loan disbursements for 6 months for 100% of the clients.

		<u> </u>	-				10070 01 1110	
	С		D	Т	U	V	W	X
2	ADV	Term Loan I	Product Activity Sheet (PAS)	13	14	15	16	17
3	Mode		Microloan	Jan-20	Feb-20	Mar-20	Apr-20	May-20
323	5.02	Delayed disbu	rsment					
327	5.06	Resting by cyc	cle					
328	5.07	Second cycle	% resting [Input]				100%	
329	5.08		months [Input]				6	
330	5.09		% resting [Output]	0%	0%	0%	100%	100%
331	5.10		months [Output]	0	0	0	6	6
332	5.11	Third cycle	% resting [Input]				100%	
333	5.12		months [Input]				6	
334	5.13		% resting [Output]	0%	0%	0%	100%	100%
335	5.14		months [Output]	0	0	0	6	6
336	5.15	Fourth cycle	% resting [Input]				100%	
337	5.16		months [Input]				6	
338	5.17		% resting [Output]	0%	0%	0%	100%	100%
339	5.18		months [Output]	0	0	0	6	6
340	5.19	Fifth cycle	% resting [Input]				100%	
341	5.20		months [Input]				6	
342	5.21		% resting [Output]	0%	0%	0%	100%	100%
343	5.22		months [Output]	0	0	0	6	6
344	5.23	Sixth cycle	% resting [Input]				100%	
345	5.24		months [Input]				6	
346	5.25		% resting [Output]	0%	0%	0%	100%	100%
347	5.26		months [Output]	0	0	0	6	6

Cash flows to savers:

As mentioned above, savers will probably need some of their liquid savings, and those who don't withdraw all of their savings are probably not going to be saving much during this time.

Microfin Implications

In the example below, half of the savers took out all of their funds and those who remained kept their average amount saved balance at the same level. Note that the amount of savings deposits decreased from 22 million to 11 million.

- 4	С	D	T	U	٧	W	Х
2	ADV	Branch Projections Worksheet	13	14	15	16	17
3	Mode		Jan-20	Feb-20	Mar-20	Apr-20	May-20
1051	6.26	Input (% of borrowers saving)			10000000		
1052	6.27	Term Ln Prod 1: Microloan	54%	56%	58%	30%	
1062	6.37	Data used in calculations	5.407	500	500/	2004	2004
1063	6.38	Term Ln Prod 1: Microloan Source 2: Number of non-term borrowers	54%	56%	58%	30%	30%
1073	6.49	Input (% or actual monthly growth)					
1074	6.50	Segment 1: Indiv Demand				-581	0.0%
1076	6.51	Segment 2: Bus Demand				-221	0.0%
1079	6.54	Monthly growth used in calculations					0.010
1080	6.55	Segment 1: Indiv Demand	1.5%	1.5%	1.5%	-581	0.0%
1081	6.56	Segment 2: Bus Demand	1.0%	1.0%	1.0%	-221	0.0%
1084	6.59	CONTROL OF STATE OF S					
1085	6.60	Total number of depositors *	26,690	28,555	30,519	15,238	14,726
1086	6.61	Term Ln Prod 1: Microloan *	25,151	26,995	28,938	14,459	13,946
1096	6.71	Segment 1: Indiv Demand *	1,110	1,126	1,143	563	563
1097	6.72	Segment 2: Bus Demand *	429	433	437	216	216
1100	6.75						
		Step 3: Avg savings per depositor					
	Save 1						
	Save 1						
1101							
4400		In the second se					
1102	6.76 6.77	Input (% or actual monthly growth) Term Ln Prod 1: Microloan				0.0%	
1113	6.87	Segment 1: Indiv Demand	<u> </u>			0.0%	
1114	6.88	Segment 2: Bus Demand				0.0%	
1117	6.91	Monthly growth used in calculations					
1118	6.92	Term Ln Prod 1: Microloan	2.0%	2.0%	2.0%	0.0%	0.0%
1128	6.102	Segment 1: Indiv Demand	2.0%	2.0%	2.0%	0.0%	0.0%
1129	6.103	Segment 2: Bus Demand	2.0%	2.0%	2.0%	0.0%	0.0%
1132		Avg savings amount per depositor *	719.8	726.3	733.2	731.7	736.3
1133	6.107	Term Ln Prod 1: Microloan *	574.3	585.8	597.5	597.5	597.5
1143	6.117	Segment 1: Indiv Demand *	2,297.4	2,343.3	2,390.2	2,390.2	2,390.2
1144	6.118	Segment 2: Bus Demand *	5,169.1	5,272.5	5,377.9	5,377.9	5,377.9
1147		Carry & Devices Total Cardinas					
		Step 4: Review Total Savings					
1140	Save 1	Deposits Figures					
1148							
1150	6.121	Total Savings Deposits *	19,211,829	20,738,145	22,377,372	11,149,572	10,843,210
1151	6.122	Term Ln Prod 1: Microloan *	14,445,320	15.814.683	17,291,759	8,639,981	8,333,619
1161	6.132	Segment 1: Indiv Demand *	2,549,726	2,639,731	2,732,914	1,345,411	1,345,411
1162	6.133	Segment 2: Bus Demand *	2,216,784	2,283,731	2,352,699	1,164,180	1,164,180
1165	6.136	Percent growth in deposits	8.0%	7.9%	7.9%	-50.2%	-2.7%

Cash flows to investors:

As mentioned above, investors need communication. If investors are not willing to extend more credit, you should inform them of your ability to make good on currently due installments and pay what you can. However you may need to make important decisions as to if you want to be in default with a lender at the expense of employees.

Cash flows to employees:

Each MFI should carefully consider what payments to employees can and should be made in this time of crisis. Some may need to lay off some employees, other MFIs may feel an absolute need to retain employees to keep contact with borrowers. Some may need to reduce salaries or suspend salaries for the well compensated executive team.

Microfin Implications

Temporary adjustments to number of employees and the amount that they are paid is done on the branch and head office sheets:

4	С	D	Т	U	V	W	Х
2	ADV		13	14	15	16	17
3	Mode	Branch Projections Worksheet	Jan-20	Feb-20	Mar-20	Apr-20	May-20
2177	13.02	Job description and number [Input]					,
2178	13.03	Loan Officers	106.0	114.0	121.0	121.0	121.0
2179	13.04	Sr. Branch Mgr.					
2180	13.05	Jr. Branch Mgr.					
2181	13.06	Accountant/Admin					
2182	13.07	Security					
2183	13.08	Teller/Cashier					
2203	13.28	Job description and number [Output]					
2204	13.29	Loan Officers	106.0	114.0	121.0	121.0	121.0
2205	13.30	Sr. Branch Mgr.	18.0	19.0	20.0	20.0	20.0
2206	13.31	Jr. Branch Mgr.	18.0	19.0	20.0	20.0	20.0
2207	13.32	Accountant/Admin	18.0	19.0	20.0	20.0	20.0
2208	13.33	Security	18.0	19.0	20.0	20.0	20.0
2209	13.34	Teller/Cashier	36.0	38.0	40.0	40.0	40.0
2229	13.54	Total number of branch employees *	214.0	228.0	241.0	241.0	241.0
2230		Analysis					
2231	13.56	Loan Officers as % total branch staff	50%	50%	50%	50%	50%
2232		Active loans per branch staffperson *	218	211	207	176	144
2233							
2234							
2235		Monthly Sal&Ben per person [Input]					
2238		Loan Officers, Entry level					
2239	13.63	Loan Officers, Secondary level					
2240		Loan Officers, Intermediate level					
2241	13.65	Loan Officers, Senior level					
2242		Sr. Branch Mgr.					
2243		Jr. Branch Mgr. Accountant/Admin					
2245 2246		Security Teller/Cashier					
2266	13.70	Monthly Sal&Ben per person [Output]					
2267	13.91	Loan Officers, Entry level	5.280	5,280	5,280	5,280	5,280
2268		Loan Officers, Secondary level	5,940	5,940	5,940	5,940	5,940
2269		Loan Officers, Intermediate level	6,600	6,600	6,600	6,600	6,600
2270	13.94	Loan Officers, Senior level	7,920	7,920	7,920	7,920	7,920
2271	13.95	Sr. Branch Mgr.	13,200	13,200	13,200	13,200	13,200
2272	13.96	Jr. Branch Mgr.	9,900	9,900	9,900	9,900	9,900
2273		Accountant/Admin	6,600	6,600	6,600	6,600	6,600
2274		Security	3,300	3,300	3,300	3,300	3,300
2275	13.99	Teller/Cashier	6,600	6,600	6,600	6,600	6,600
		Total salary and expenses	,,,,,,	5,000	5,000	3,000	5,555
	13.120	Loan Officers	789,360	838,200	884,400	884,400	892,980
	13.121	Sr. Branch Mgr.	237,600	250,800	264,000	264,000	264,000
	13.122	Jr. Branch Mgr.	178,200	188,100	198,000	198,000	198,000
	13.123	Accountant/Admin	118,800	125,400	132,000	132,000	132,000
	13.124	Security	59,400	62,700	66,000	66,000	66,000
2301		Teller/Cashier	237,600	250,800	264,000	264,000	264,000
2321		Total branch salary and benefits *	1,620,960	1,716,000	1,808,400	1,808,400	1,816,980
						-	

In the example above, no adjustment to branch staffing was made. The slight increase in salaries reflects additional responsibilities for loan officers as they progress from Entry Level to Secondary Level, and so on.

The head office salaries will be treated a bit differently:

- 30	C	es will be treated a bit differe	T T	U	٧	V	×
1	ADV	Head Office Projections	13	14	15	16	17
2	Mode	<u> </u>	Jan-20	Feb-20	Mar-20	Apr-20	May-20
8		Head Office Staffing					
10	1.01	Go to Inst.Cap.					
11	1.02	Job description and number [Input]					
12	1.03	CEO CFO					
14	1.05	coo					
15	1.06	Sr. Accountant					
16	1.07	Jr. Accountants					
18	1.08	Sr. Auditor Jr. Auditors					
19	1.10	Regional Mgrs.	4.0	4.0	4.0	4.0	4.0
20	1.11	Sr. MIS/Technology					
21	1.12	Jr. MIS/Technology					
37	1.28	Job description and number [Output CEO	1.0	1.0	1.0	1.0	1.0
39	1.30	CFO	1.0	1.0	1.0	1.0	1.0
40	1.31	C00	1.0	1.0	1.0	1.0	1.0
41	1.32	Sr. Accountant	1.0	1.0	1.0	1.0	1.0
42	1.33	Jr. Accountants Sr. Auditor	1.0	4.6 1.0	4.6 1.0	4.6 1.0	4.6 1.0
44	1.35	Jr. Auditors	2.6	2.6	2.6	2.0	2.6
45	1.36	Regional Mgrs.	4.0	4.0	4.0	4.0	4.0
46	1.37	Sr. MIS/Technology	1.0	1.0	1.0	1.0	1.0
63	1.38	Jr. MIS/Technology Total number of head office employe	19.0	3.6 19.0	3.6 19.0	3.6 19.0	<i>3.6</i> 19.0
64	1.55	Analysis	15.0	10.0	10.0	10.0	10.0
65	1.56	Head office staff as % of total staff	8%	8%	7%	7%	7%
66							
67 70	1.57	Monthly salary and benefits [Input] CEO				0	
71	1.60	CFO				ő	
72	1.61	C00				0	
73	1.62	Sr. Accountant				18,150	
74 75	1.63	Jr. Accountants Sr. Auditor				15,125 18,150	
76	1.65	Jr. Auditors				15,125	
77	1.66	Regional Mgrs.				18,150	
78	1.67	Sr. MIS/Technology				18,150	
79 95	1.68	Jr. MIS/Technology Monthly salary and benefits [Output				15,125	
96	1.85	CEO	48,400	48,400	48,400		
97	1.86	CFO	42,350	42,350	42,350	-	-
98	1.87	COO	42,350	42,350	42,350	40.450	40.450
99	1.88	Sr. Accountant Jr. Accountants	36,300 30,250	36,300 30,250	36,300 30,250	18,150 15,125	18,150 15,125
101	1.90	Sr. Auditor	36,300	36,300	36,300	18,150	18,150
102	1.91	Jr. Auditors	30,250	30,250	30,250	15,125	15,125
103	1.92	Regional Mgrs.	36,300	36,300	36,300	18,150	18,150
104 105	1.93	Sr. MIS/Technology Jr. MIS/Technology	36,300 30,250	36,300 30,250	36,300 30,250	18,150 15,125	18,150 15,125
121		Total Head Office salary and expense		00,200	00,200	10,120	10,120
122	1.111	CEO	48,400	48,400	48,400	0	0
123	1.112	CFO	42,350	42,350	42,350	0	0
124 125	1.113	COO Sr. Accountant	42,350 36,300	42,350 36,300	42,350 36,300	0 18,150	0 18,150
126	1.115	Jr. Accountants	121,000	121,000	121,000	60,500	60,500
127	1.116	Sr. Auditor	36,300	36,300	36,300	18,150	18,150
128	1.117	Jr. Auditors	60,500	60,500	60,500	30,250	30,250
129	1.118	Regional Mgrs.	145,200	145,200	145,200	72,600	72,600
130 131	1.119	Sr. MIS/Technology Jr. MIS/Technology	36,300 90,750	36,300 90,750	36,300 90,750	18,150 45,375	18,150 45,375
147		Total Head Office salary and expense			659,450	263,175	263,175
152			I				-

In the example above, the executive staff are forgoing their salaries and the other head office personnel have taken a temporary 50% decrease in their salaries.

Overall Implications:

The cash flow section of the financial statements shows the potential impact of some of the decisions made above:

-4	C	D	T	U	V	W	Х
1	ADV	Financial Statements	13	14	15	16	17
2	Mode		Jan-20	Feb-20	Mar-20	Apr-20	May-20
185		Cashflow Projections					
186	4.01	and the state of t					
187	34 EE 400	Cash Flows from Operating Activities					
188	4.03	Net Operating Income	(130,856)	1,051,515	1,716,779	(61,962,732)	(446,230)
189	4.04	+ Depreciation and amortization	314,424	333,781	351,722	351,722	351,722
190	4.05	+ Loan loss provisions	3,222,951	3,813,164	4,420,838	67,302,796	5,825,125
191	4.06	- Cash Paid for Taxes	0	0	(358,116)	0	0
192	4.07	- Net change in acrrued interest	0	0	0	0	0
193	100000000	+ Loan repayments received	22,894,966	15,286,318	7,556,150	(0)	(0)
194	5100000	- Loan disbursements	(71,728,500)	(72,885,000)	(74,089,000)	0	0
195	250000	+ Minus Increase in Line-of-Credit Portfolio	0	0	0	0	0
196	1960 5 (5)	Increase/(Decrease) in credit insurance reserves	0	0	0	0	0
197	4.12	(Increase)/Decrease in short-term invest.	(442,947)	(471,577)	(502,058)	4,104,210	0
198 199	4.13	Increase/(Decrease) in savings deposits	3,008,625	3,189,453	3,381,352 0	(30,118,335)	0
200	1900 000	(Increase)/Decrease in other current assets Increase/(Decrease) in accrued expenses	0	0	0	0	0
201	200	Increase/(Decrease) in other current liabilities	0	0	0	0	0
202	2000	Increase/(Decrease) in other long-term liab.	0	0	0	0	0
203	200225-07	indease/(Decrease) in other long term lab.	Ĭ.	Ĭ.	ă	×	, i
204	1000000	Net Cash from Operating Activities	(42,861,337)	(49,682,345)	(57,522,333)	(20,322,339)	5,730,617
205					(Antidesolation)	(Masterial Cont.)	
206	4.21	Cash Flows from Investing Activities					
207	4.22	(Increase)/Decrease in long-term invest.	0	0	0	0	0
208	4.23	(Increase)/Decrease in other assets	(1,227,300)	(709,961)	(659,054)	0	0
209	200	a to be to the control of the contro					0.00
210	550000000	Net Cash from Investing Activities	(1,227,300)	(709,961)	(659,054)	0	0
211	20000000						
212	200	Cash Flows from Financing Activities	5 770 000	50.445.000	50,000,000	0.440.700	
213	2000	Increase/(Decrease) in borrowed funds	5,773,826	50,415,203	58,369,902	9,142,763	(5,914,144)
214 215	200720	Increase/(Decrease) in Stock (Dividend payments)	42,000,000 0	0	0	0	0
216	200	Donated Equity	0	0	0	0	0
217	200	Net Cash from Financing Activities	47,773,826	50,415,203	58,369,902	9,142,763	(5,914,144)
218	550000000000000000000000000000000000000	Not cash from Financing Activides	47,773,020	30,413,203	30,303,302	5,142,705	(5,514,144)
219	200700	Net Cash (received)/paid for non-oper, activities	0	0	0	0	0
220				93	2	2	98
221	4.36	Net change in cash and due from banks	3,685,188	22,897	188,515	(11,179,576)	(183,527)
222	4.37			2.10%(2.00)	0.000/0.0040-0.004	IV Several and activities	Basel of Association
223	4.38	Cash and Due from Banks, Beginning of the Period	7,912,609	11,747,478	11,920,666	12,260,084	1,230,943
224	5500			A CONTRACTOR MODELNESS			
225	198.850	Effect of Exchange Rate Changes					
226	5800000	+ Indexing expense of Loans Payable	149,681	150,290	150,903	150,435	149,965
227	100000	- Indexing Income	0	0	0	0	0
228	4.43	Cook and Dura from Dooks End of the Dooks	44 747 470	44.000.000	40.000.004	4 000 040	4.407.004
229	4.44	Cash and Due from Banks, End of the Period	11,747,478	11,920,666	12,260,084	1,230,943	1,197,381

Comparing a non-affected month of March 2020 with what may happen in April and May 2020 provides some insight into the need to accurately assess the situation, run scenarios, and make some important, difficult decisions. Once those are made, communicating the likely results to stakeholders will be of utmost importance. Microfin can help in that regard.

Conclusion:

Microfin is a useful tool to reflect the financial implications of operational decisions during normal times, however if users are initially comfortable with Microfin and have reconciled its projections with actual results, it becomes an invaluable tool to make adjustments to the business plan and communicate those to important stakeholders in times of crisis.