# **ICICI Bank Limited**



Industry	Financial
Bloomberg	ICICIBC IN
BSE CODE	532174

RATING	BUY
СМР	416
Price Target	515
Potential Upside	24%

Rating Change	<b></b>
Estimate Change	
Target Change	

#### Stock Info

52wk Range H/L	443.85/273.20
Mkt Capital (Rs Cr)	268,125
Free float (%)	100%
Avg. Vol 1M (,000)	13,042
No. of Shares (Cr)	645
Promoters Pledged %	

FINANCIAL	FY19	FY20E	FY21E
NII	27015	32974	39357
РРР	23438	28436	33640
PAT	3363	13575	17176
NIM %	3.2	3.4	3.5
EPS (Rs)	5	21	27
EPS growth	-51	303	27
ROE (%)	3	12	13
ROA (%)	0.4	1.3	1.4
BV	168	188	212
P/B (X)	2.4	2.3	2.1
P/E (x)	76	21	16

Research Analyst DEEPAK KUMAR Deepak.kumar@narnolia.com +91-22-62701205

### In a League of Healthy Opearting Performance

#### 1QFY20 Result Update

- NII grew by 27% YoY to Rs 7737 Cr with NIM at 3.61% v/s 3.19% in Q1FY19 and 3.72% in Q4FY19. The PAT stood at Rs 1908 Cr vs loss of Rs 120 Cr YoY with provisions at Rs 3496 Cr v/s Rs 5971 Cr in Q1FY19. However PAT missed our expectations due to elevated provisions.
- GNPA during the quarter stood at 6.49% v/s 6.70% in Q4FY19 while the NNPA was 1.77% v/s 2.06% in Q4FY19. The slippages declined by 22% QoQ at Rs 2779 Cr. BB & Below book exposure improved to 2.6% vs 3% sequentially.
- □ The Advance grew by 15% YoY mainly on account of Retail and SME segment which grew by 22 and 23% respectively. The deposits during the quarter grew by 21% YoY with healthy term deposit growth of 34% YoY while the CASA ratio stood at 45.2% v/s 50.5% in Q1FY19.

#### NII growth Continues to be strong

NII grew by 27% YoY with NIM at 3.61% v/s 3.19% in Q1FY19 and 3.72% in Q4FY19. The Domestic NIM during the quarter was 3.93% vs 3.54% in the Q1FY19 while the overseas NIM was 0.33% v/s 0.30% in Q1FY19. The yield on Advance was 9.36%. The Cost of deposit during the quarter stood at 5.08% v/s the 4.81% in Q1FY19. The cost of funds were 5.23% v/s the 4.99% in 1QFY19.

Fee income during the quarter grew by 10.35% at Rs 3039 Cr, treasury income during the quarter was Rs 179 Cr and other income was Rs 207 Cr. The cost to income ratio was 43.7% with employee cost growing by 29% YoY and other expenses grew by 11% YoY.

#### Healthy Loan Book growth

The Advance during the quarter grew at healthy rate of 15% YoY mainly on account of Retail and SME segment which grew by 22 and 23% respectively. Domestic loan grew by 18% YoY. The growth for the corporate segment was a meagre. The growth in the retail segment was led by personal loan segment which grew by 54%/11% on YoY/QoQ basis, business banking segment which grew by 46%/3% on YoY/QoQ basis, credit card segment which grew by 33%/11% on YoY/QoQ basis.

The Deposits grew strong by 21% YoY with term deposit growing 34% YoY while the CASA ratio stood at 45.2% v/s 50.5% in Q1FY19. On CASA deposit growth management said that they had anticipated and planned that in daily average CASA deposits would be lower than overall deposit growth which it has factored in its cost of funding and lending rate.

#### **Continuous Improvement in Asset quality:**

The Asset quality during the quarter improved GNPA during the quarter stood at 6.49% v/s 6.70% in Q4FY19 while the NNPA was 1.77% v/s 2.06% in Q4FY19. The Slippages during the quarter were Rs 2779 Cr while the reductions were Rs 3131 Cr. The upgrades and recoveries were Rs 931 Cr while the write off were Rs 2200 Cr. The retail slippages were Rs 1511 Cr out of which Rs 452 Cr came from kisan credit card portfolio. The Management added that additions from the agri portfolio might be higher in the December quarter. PCR improved to 74% vs 71% QoQ.

#### View and Valuation

Assets quality continues to improve with the normalization of corporate slippages. BB & Below book also continues to decline (reduction of 12% QoQ) and forms 2.6% of the net advances. However there has been concerns on rising slippages on agriculture portfolio for the industry as a whole. Specific PCR improved to 74% as credit cost remained elevated due ageing related provisions and lack on any significant resolution on NPA front. However management holds it guidance of credit cost for the full year. Operating performance is on improving path with the pickup in advances growth and normalization of margin. We largely maintain our estimates and recommend BUY with the target price of Rs 515 at 2.4x BV FY21e.

#### Key Risks to our rating and target

Slower resolution of NPA will lead to higher credit cost.
Stress macro conditions will further deteriorate the assets quality.

The views expressed above accurately reflect the personal views of the authors about the subject companies and its(their) securities. The authors have not and will not receive any compensation for providing a specific recommendation or view. Narnolia Financial Advisors Ltd. does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

#### 1QFY20 Results PPP In Line With Expectations

Financials	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20	YoY %	QoQ%	FY18	FY19	YoY %
Interest Inc.	14,722	15,106	16,280	17,293	17,980	22.1%	4.0%	54,966	63,401	15.3%
Interest Exp.	8,620	8,688	9,405	9,673	10,243	18.8%	5.9%	31,940	36,386	13.9%
NII	6,102	6,418	6,875	7,620	7,737	26.8%	1.5%	23,026	27,015	17.3%
Other Income	3,852	3,156	3,883	3,621	3,425	-11.1%	-5.4%	17,420	14,512	-16.7%
Total Income	9,954	9,574	10,758	11,241	11,163	12.1%	-0.7%	40,445	41,527	2.7%
Ope Exp.	4,145	4,324	4,612	5,008	4,874	17.6%	-2.7%	15,704	18,089	15.2%
PPP	5,808	5,250	6,146	6,233	6,288	8.3%	0.9%	24,742	23,438	-5.3%
Provisions	5,971	3,994	4,244	5,451	3,496	-41.5%	-35.9%	17,307	19,661	13.6%
PBT	(163)	1,255	1,902	782	2,793	NA	NA	7,435	3,777	-49.2%
Тах	(43)	347	297	(187)	885	-2140%	572.9%	657	413	-37.1%
Net Profit	(120)	909	1,605	969	1,908	LTP	96.9%	6,777	3,363	-50%

#### **Concall Highlights**

- Retail fee income grew by 6.6% YoY and constituted about 72% of overall fees in Q1 impacted by decrease in fee income from distribution of third-party products. Excluding this, fee income grew by 14.3% YoY.
- During the quarter, the peak interest rate on term deposits was reduced by 20 basis points to 7.3%.
- There were slippages of Rs 452 Cr (Rs 350 Cr in 1Q FY19) from Kisan credit card, management said that there has been stress mainly from farm waiver scheme. In June and December, the stress will be high and additions will be high in December quarter. Even the stress will continue in next financial year also.
- Slippages will run at a normal rate of 2%. The provisions were higher during the quarters mainly because of ageing related and there was no major recovery. However, management is hopeful of recovery in some part of the year and hence maintain the earlier guidance of 1.2% credit cost in FY20, however there could be variation on quarter basis.
- Management is comfortable with 70% PCR level and targeting the provisions of 20% of operational profit which translate into 1% credit cost on advances. This will be the function of business mix.
- On the stress group in the system, management comment that they have some exposure to the stress companies and some cases they don't have. But had no meaningful or significant exposure to any single borrower over the last few quarters.
- On the Builder portfolio, focus is towards top tier builders spread across the segment. Management is cautious on this portfolio since last 3 years and lending done in this portfolio in last 12-18 months have fairly share of LRD
- On unsecured lending management said the penetration of unsecured loan on customer is very low. However, as a proactive measures management is cutting down the stressed geography, segment or even color of salary. At this point of time management is not seeing any stress on the portfolio and keep checking with credit bureau and numbers are good.
- On the today's news article of raising equity capital of Rs 15000 Cr in FY20, management said that they have not made any announcement regarding this.
- Focus will be growing domestic book and hence international book proportion will come down over the time.
- Management is not targeting any loan book growth number. The focus is towards growing the core operating profit in a risk calibrated manner.
- About 88.5% of the disbursements in the domestic and international corporate portfolio were to corporates rated A- and above and bank is further refining the approach towards longer term exposures.
- SME portfolio is relatively small and have scope to increase penetration in this segment, covering both credit as well as deposits and transaction banking with focus on granular and collateralized lending. Bank has recently reorganised the SME business.

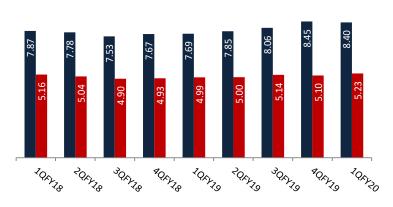
<b>Profitability Matrix</b>									
	3QFY18	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20	YoY (+/-)	QoQ (+/-)
C/I Ratio %	43.0	35.8	41.6	45.2	42.9	44.5	43.7	2.02	-0.88
Empl. Cost/ Tot. Exp. %	35.7	36.5	36.5	38.4	37.6	37.9	40.1	3.55	2.15
Other Exp/Tot. Exp.%	64.3	63.5	63.5	61.6	62.4	62.1	59.9	-3.55	-2.15
Provision/PPP %	70.6	88.2	102.8	76.1	69.1	87.5	55.6	-47.22	-31.87
Tax Rate %	(10.9)	(14.8)	26.6	27.6	15.6	(23.9)	31.7	5.06	55.60
Int Exp./Int Inc. (%)	58.3	57.8	58.6	57.5	57.8	55.9	57.0	-1.59	1.03
Other Inc./Net Inc. %	35.7	48.5	38.7	33.0	36.1	32.2	30.7	-8.01	-1.53
PAT/ Net Income %	19.2	9.0	(1.2)	9.7	16.2	9.0	17.7	18.93	8.73
PAT Growth %	(32.4)	(49.6)	(105.8)	(55.8)	(2.7)	(5.0)	LTP	LTP	96.89
NII Growth % (YoY)	6.4	1.0	9.2	12.4	20.5	26.5	26.8	17.64	0.26
Op. Profit Growth YoY %	(8.4)	47.0	12.1	(24.9)	21.5	(17.0)	8.3	-3.79	25.31

#### **Margin Performance**

Margin %	3QFY18	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20	YoY (+/-)	QoQ (+/-)
Yield on Advances	8.47	8.7	8.7	8.8	9.0	9.3	9.4	0.65	0.07
Yield on Total Assets	7.53	7.7	7.7	7.9	8.1	8.5	8.4	0.71	-0.05
Cost Of Funds	4.9	4.9	5.0	5.0	5.1	5.1	5.2	0.24	0.13
Cost of Deposits	4.74	4.8	4.8	7.8	4.9	5.0	5.1	0.27	0.08
NIM	3.14	3.2	3.2	3.3	3.4	3.7	3.6	0.42	-0.11

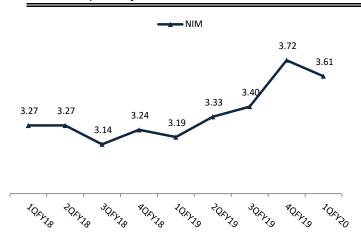
#### Exhibit: Yield and Cost Cost of fund Increased

■ Yield on Total Assets ■ Cost Of Funds



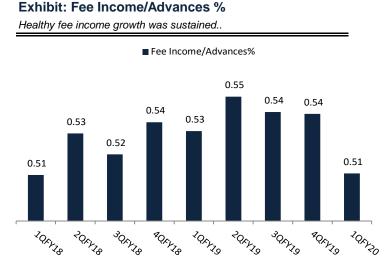
#### Exhibit: Net Interest Margin

NIM fell sequentially.



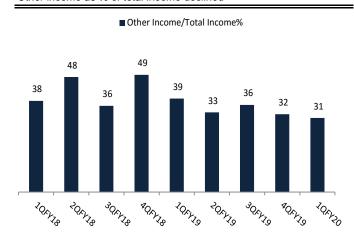
#### Other Income Break Up-

	1QFY18	2QFY18	3QFY18	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20
Fee income	2377	2570	2639	2755	2754	2995	3062	3178	3039
Growth YoY %	10.3%	9.1%	5.8%	12.6%	15.9%	16.5%	16.0%	15.4%	10.3%
Other income	153	423	462	238	331	196	342	287	207
Treasury income	858	2193	66	2685	766	-35	479	156	179
Total Other Income	3388	5186	3167	5678	3851	3156	3883	3621	3425
Growth YoY %	-1%	-43%	-20%	88%	14%	-39%	23%	-36%	-11%
Other Income as a % of NII	61	91	56	94	63	49	56	48	44
Other Income as a % of	0.7%	1.1%	0.6%	1.1%	0.7%	0.6%	0.7%	0.6%	0.6%



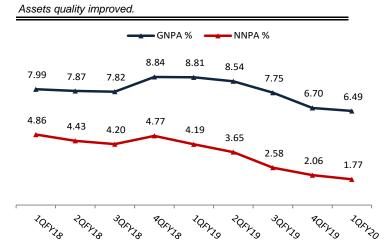
#### Exhibit: Other Income/ Total Income %

Other income as % of total income declined

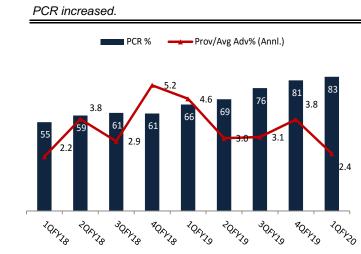


#### **Asset Quality** 3QFY18 1QFY20 4QFY18 1QFY19 2QFY19 3QFY19 4QFY19 YoY (+/-) QoQ (+/-) GNPA (Rs in Cr) 46,039 54,063 53,465 54,489 51,591 46,292 45,763 -14% -1% GNPA % -2.32 7.8 8.8 8.8 8.5 7.8 6.5 6.7 -0.21 NNPA (Rs in Cr) 27,886 24,170 22,086 13,577 11,857 23,810 16,252 -51% -13% NNPA % 4.2 4.8 4.2 3.7 2.6 -2.42 -0.29 2.1 1.8 4,036 2,091 2,779 Slippages (Rs in Cr) 4,380 15,737 3,117 3,547 -31% -22% PCR % 60.9 76.3 17.30 60.5 66.1 69.4 81.2 83.4 2.20

#### **Exhibit: Asset Quality**

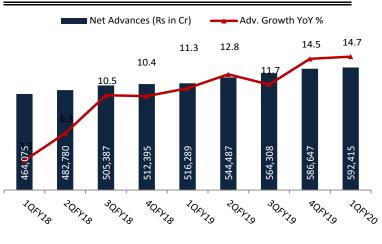


**Exhibit: Provisions** 



#### **Exhibit: Advances Performance**

healthy advance growth

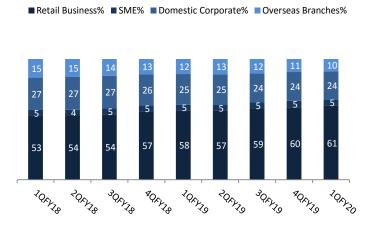


### Exhibit: Deposits Performance

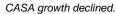
Healthy deposit growth.

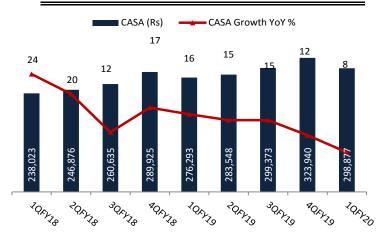


#### Exhibit: Advances Breakup%



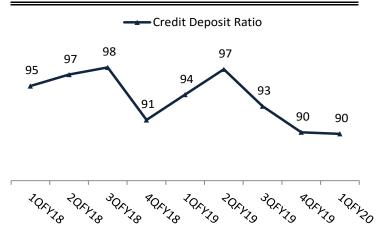
#### **Exhibit: CASA Performance**



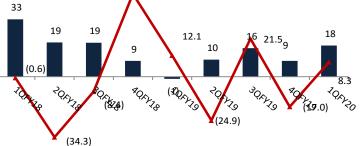


#### Exhibit: Credit Deposit Ratio

CD ratio moved down.



# Exhibit: Return Ratios Return ratio profile declined. PAT/ Net Income % Operating Profit Growth YoY % 47.0



#### **Financial Details**

Balance Sheet	
---------------	--

Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Share Capital	1155	1160	1163	1165	1286	1290	1291	1291
>> Equity Capital	1155	1160	1163	1165	1286	1290	1291	1291
>> Preference Capital	0	0	0	0	0	0	0	0
Reserves & Surplus	72058	79270	88572	98786	103873	107078	119876	135503
Networth	73213	80429	89736	99951	105159	108368	121166	136793
Deposits	331914	361563	421426	490039	560975	652920	740367	868986
Change (%)	13.4	8.9	16.6	16.3	14.5	16.4	13.4	17.4
>> CASA Deposits	142378	164380	193100	246821	289925	323940	340569	399733
Change (%)	16.2	15.5	17.5	27.8	17.5	11.7	5.1	17.4
Borrowings	154759	172417	174807	147556	182859	165320	204415	240883
Other Liabilities & Prov.	34756	31720	34726	34245	30196	37851	42713	49656
Total Liabilities	594642	646129	720695	771791	879189	964459	1108662	1296318
Cash & Bank	41530	42305	59869	75713	84169	80296	86212	98438
Investments	177022	158129	160412	161507	202994	207733	236917	278075
Change (%)	3.3	-10.7	1.4	0.7	25.7	2.3	14.0	17.4
Advances	338703	387522	435264	464232	512395	586647	692243	816847
Change (%)	16.7	14.4	12.3	6.7	10.4	14.5	18.0	18.0
Fixed Assets	4678	4726	7577	7805	7904	7931	8090	8252
Other Assets	32709	53448	57574	62535	71727	81852	85199	94707
Total Assets	594642	646129	720695	771791	879189	964459	1108662	1296318

#### **Income Statement**

Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Interest income	44178	49091	52739	54156	54966	63401	75397	87290
Interest expended	27703	30052	31515	32419	31940	36386	42423	47933
Net Interest Income	16476	19040	21224	21737	23026	27015	32974	39357
Change (%)	18.8	15.6	11.5	2.4	5.9	17.3	22.1	19.4
Other Income	10428	12176	15323	19504	17420	14512	16169	18282
Change (%)	24.9	16.8	25.8	27.3	-10.7	-16.7	11.4	13.1
>> Core Fee Income	7758	8286	8819	9453	10341	11989	13657	16453
>> Treasury Income	1016	1694	4061	8576	5802	1366	1405	828
>> Others	1654	2196	2443	1475	1277	1157	1107	1000
Total Net Income	26903	31216	36547	41242	40445	41527	49144	57638
Operating Expenses	10309	11496	12684	14755	15704	18089	20708	23998
Change (%)	14.4	11.5	10.3	16.3	6.4	15.2	14.5	15.9
>> Employee Expenses	4220	4750	5002	5734	5914	6808	8049	9209
Pre-provisioning Profit	16595	19720	23864	26487	24742	23438	28436	33640
Change (%)	25.7	18.8	21.0	11.0	-6.6	-5.3	21.3	18.3
Provisions	2626	3900	8068	15208	17307	19661	8485	8382
Change (%)	45.7	48.5	106.9	88.5	13.8	13.6	-56.8	-1.2
PBT	13968	15820	12196	11279	7435	3777	19950	25258
Тах	4158	4645	2469	1478	657	413	6375	8083
Profit After Tax	9810	11175	9726	9801	6777	3363	13575	17176
Change (%)	17.8	13.9	-13.0	0.8	-30.9	-50.4	303.6	26.5

#### **Financial Details**

Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Balance Sheet Metrics								
Loan Growth (%)	17	14	12	7	10	14	18	18
Deposit Growth (%)	13	9	17	16	14	16	13	17
C/D Ratio (%)	102.0	107.2	103.3	94.7	91.3	89.8	93.5	94.0
CASA (%)	42.9	45.5	45.8	50.4	51.7	49.6	46.0	46.0
Investment/Deposit (%)	53.3	43.7	38.1	33.0	36.2	31.8	32.0	32.0
CRAR (%)	17.7	17.0	16.6	17.4	18.4	16.5	16.3	15.5
>> Tier 1 (%)	12.8	12.8	13.1	14.4	15.9	14.4	14.1	13.6
>> Tier 2 (%)	4.9	4.2	3.6	3.0	2.5	2.1	2.2	1.9
Assets Quality Metrics								
Gross NPA (Rs)	10,554	15,242	26,721	42,552	54,063	46,292	42,644	37,638
Gross NPA (%)	2.6	3.3	5.2	7.9	8.8	6.7	5.3	4.(
Net NPA(Rs)	3,301	6,325	13,297	25,451	27,886	13,577	12,793	11,292
Net NPA (%)	0.8	1.4	2.7	4.9	4.8	2.1	1.7	1.
Slippges (%)	2	2	4	8	6	2	2	:
Provision Coverage (%)	-	-	61	54	61	81	71	7
Provision/Average Advances (%)	0.8	1.1	2.0	3.4	3.5	3.6	1.3	1.
Margin Metrics								
Yield On Advances (%)	10.0	9.8	9.5	8.8	8.4	8.7	9.0	8.
Yield On Investment (%)	6.6	6.3	6.7	7.1	6.3	6.2	6.9	6.
Yield on Earning Assets (%)	8.5	8.6	8.3	7.9	7.3	7.5	7.9	7.
Cost Of Deposits (%)	5.7	5.9	5.5	5.0	4.5	4.4	4.8	4.
Cost Of Funds (%)	5.8	5.7	5.4	5.1	4.5	4.6	4.7	4.
Spread (%)	2.7	2.8	2.9	2.8	2.7	2.9	3.2	3.
NIM (%)	3.2	3.3	3.3	3.2	3.0	3.2	3.4	3.
Profitability & Effeciency I	Metrics							
Int. Expense/Int.Income (%)	62.7	61.2	59.8	59.9	58.1	57.4	56.3	54.9
Fee Income/NII (%)	47.1	43.5	41.6	43.5	44.9	44.4	41.4	41.8
Cost to Income (%)	38.3	36.8	34.7	35.8	38.8	43.6	42.1	41.6
Cost on Average Assets (%)	1.8	1.9	1.9	2.0	1.9	2.0	2.0	2.
Tax Rate (%)	29.8	29.4	20.2	13.1	8.8	10.9	32.0	32.0
Valuation Ratio Metrics								
EPS (Rs)	15.4	17.5	15.2	15.3	10.5	5.2	21.0	26.6
Change (%)	17.7	13.5	(13.2)	0.6	(31.1)	(51)	303.2	26.5
ROAE (%)	14.0	14.5	11.4	10.3	6.6	3.2	11.8	13.3
ROAA (%)	1.7	1.8	1.4	1.3	0.8	0.4	1.3	1.
Dividend Payout (%)	29.8	28.5	32.9	16.3	14.2	19.2	9.5	13.1
Dividend yield (%)	2.0	1.7	2.3	1.0	0.5	0.3	0.5	0.
Book Value (Rs)	115.3	126.1	140.3	156.0	163.6	168.1	187.8	212.0
Change (%)	10	9	11	11	5	3	12	1
Р/В (Х)	2.0	2.3	1.5	1.6	1.7	2.4	2.3	2.
· · · · · · · · · · · · · · · · · · ·								

### **Financial Details**

### Exhibit: DuPont Analysis

	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Interest Income	7.9	7.7	7.3	6.7	6.9	7.3	7.3
Interest expended	4.8	4.6	4.3	3.9	3.9	4.1	4.0
Net Interest Income	3.1	3.1	2.9	2.8	2.9	3.2	3.3
Non-Fund Based Income	2.0	2.2	2.6	2.1	1.6	1.6	1.5
>> Core Fee Income	1.3	1.3	1.3	1.3	1.3	1.3	1.4
>> Trading and Other Income	0.6	1.0	1.3	0.9	0.3	0.2	0.2
Core Operating Income	4.4	4.4	4.2	4.0	4.2	4.5	4.6
Total Income	5.0	5.3	5.5	4.9	4.5	4.7	4.8
Total Operating Expenses	1.9	1.9	2.0	1.9	2.0	2.0	2.0
>> Employee Expenses	0.8	0.7	0.8	0.7	0.7	0.8	0.8
>> Other Expenses	1.1	1.1	1.2	1.2	1.2	1.2	1.2
Operating Profit	3.2	3.5	3.5	3.0	2.5	2.7	2.8
Provisions	0.6	1.2	2.0	2.1	2.1	0.8	0.7
Others	-	0.5	-	-	-	-	-
PBT	2.6	1.8	1.5	0.9	0.4	1.9	2.1
Тах	0.7	0.4	0.2	0.1	0.0	0.6	0.7
PAT/RoAA	1.8	1.4	1.3	0.8	0.4	1.3	1.4
Equity Multiplier (x)	8.1	8.0	7.9	8.0	8.6	9.0	9.3
ROAE	14.5	11.4	10.3	6.6	3.2	11.8	13.3

Narnolia Financial Advisors Ltd. is a SEBI registered Research Analyst having SEBI Registration No. INH300006500. The Company/Analyst (s) does/do not have any holding in the stocks discussed but these stocks may have been recommended to clients in the past. Clients of Narnolia Financial Advisors Ltd. may be holding aforesaid stocks.

The stocks recommended are based on our analysis which is based on information obtained from public sources and sources believed to be reliable, but no independent verification has been made nor is its accuracy or completeness guaranteed.

Disclosures: Narnolia Financial Advisors Ltd. (NFAL) (FormerlyMicrosec Capital Ltd.) is a SEBI Registered Research Analyst having registration no. INH300006500. NFALis engaged in the business of providing Stock Broking, Depository Participant, Merchant Banking, Portfolio Management & distribution of various financial products. Details of associate entities of NFAL is available on the website at www.narnolia.com

No penalties have been levied on NFAL by any Regulatory/Statutory authority, NFAL, it's associates. Research Analyst or their relative may have financial interest in the subject company. NFAL and/or its associates and/or Research Analyst may have beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report. NFAL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of NFAL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report. Research Analyst may have served as director/officer. etc. in the subject company in the last 12 month period. NFAL and/or its associates may have received compensation from the subject company in the past 12 months. In the last 12 months period ending on the last day of the month immediately preceding the date of publication of this research report, NFAL or any of its associates may have: a) managed or co-managed public offering of securities from subject company of this research report, b) received compensation for investment banking or merchant banking or brokerage services from subject company of this research report, c) received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company of this research report. d) Subject Company may have been a client of NFAL or its associates during 12 months preceding the date of distribution of the research report. NFAL and it's associates have not received any compensation or other benefits from the Subject Company or third party in connection with the research report. NFAL and / or its affiliates may do and seek to do business including Investment Banking with companies covered in the research reports. As a result, the recipients of this report should be aware that NFAL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific Merchant Banking, Investment Banking or Brokerage service transactions. Research Analyst's views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of NFAL or its associates maintains arm's length distance with Research Team as all the activities are segregated from NFAL research activity and therefore it can have an independent view with regards to subject company for which Research Team have expressed their views.

Analyst Certification The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

#### **Disclosure of Interest Statement-**

Analyst's ownership of the stocks mentioned in the Repor	:	NIL

A graph of daily closing prices of securities is available at <u>www.nseindia.com</u>, <u>www.bseindia.com</u>.

Correspondence Office Address: Arch Waterfront, 5th Floor, Block GP, Saltlake, Sector 5, Kolkata 700 091; Tel No.: 033-40541700; www.narnolia.com.

Registered Office Address: Marble Arch, Office 201, 2nd Floor, 236B, AJC Bose Road, Kolkata 700 020; Tel No.: 033-4050 1500; www.narnolia.com

Compliance Officer: Manish Kr Agarwal, Email Id: mkagarwal@narnolia.com, Contact No.:033-40541700.

Registration details of Company: Narnolia Financial Advisors Ltd. (NFAL): SEBI Stock Broker Registration: INZ000166737 (NSE/BSE/MSEI); NSDL/CDSL: IN-DP-380-2018; Research Analyst: INH300006500, Merchant Banking: (Registration No.: INM000010791), PMS: (Registration No.: INP000002304), AMFI Registered Mutual Fund distributor: ARN 3087

Registration Details of Group entities: G. Raj & Company Consultants Ltd (G RAJ)-BSE Broker INZ260010731; NSDL DP: IN-DP-NSDL-371-2014 || Narnolia Commerze Limited (Formerly Microsec Commerze Ltd.)-MCX/NCDEX Commodities Broker: INZ000051636 || NarnoliaVelox Advisory Ltd.- SEBI Registered PMS: INP000005109 || Eastwind Capital Advisors Pvt Ltd. (EASTWIND)-SEBI Registered Investment Adviser: INA300005439 || Narnolia Insurance Brokers Limited (Formerly Microsec Insurance Brokers Ltd.)-IRDA Licensed Direct Insurance Broker (Life & Non-Life) Certificate No. 134, License No. DB046/02 || Narnolia Securities Ltd. (NSL)-AMFI Registered Mutual Fund distributor: ARN 20558, PFRDA NPS POP: 27092018 || Narnolia Capital Advisors Pvt. Ltd. - RBI Registered MBFC:B.05.02568.

#### Disclaimer:

This report has been prepared by Narnolia Financial Advisors Ltd. (NFAL)and is meant for sole use by the recipient and not for public circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of NFAL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment grade securities - involve substantial risk and are not suitable for all investors. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult his/her/its own advisors to determine the merits and risks of such an investment. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. NFAL will not treat recipien

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject NFAL & its group companies to registration or licensing requirements within such jurisdictions.