Bank Of India

India Equity Analytics 1-Feb-20 Result Update



Industry Financial
Bloomberg BOI IN
BSE CODE 532149

RATING

Price Target

Potential Upside

Rating Change

Target Change

Stock Info

Free float (%)

FINANCIAL

NII

PPP

PAT

NIM %

EPS (Rs)

ROE (%)

ROA (%)

P/B (X)

P/E(x)

ΒV

EPS growth

52wk Range H/L

Mkt Capital (Rs Cr)

Avg. Vol 1M (,000)

No. of Shares (Cr)

Promoters Pledged %

FY19

13658

8092

-5547

2.4

-20

-42

-14

-0.9

168

0.6

-5

FY20E

15252

11322

880

2.7

-113

3

2

0.1

144

0.5

24

Estimate Change

CMP

NEUTRAL

66

68

4%

57/108

21,463

9.00%

1,902

Fig in Rs cr

FY21E

15954

10529

2485

2.8

8

5

0.4

151

0.4

9

182

328

Elevated Slippages and Credit Cost Continue to dent the profitablity

3QFY20 Result Update

- □ NII increased by 23.6% YoY to Rs 4,119 Cr with improvement in advance which grew by 2% YoY and NIM which stood at the 3.07% v/s 2.55% in Q3FY19.
- □ Other income grew by 50% YoY with Fee income growing by 9% YoY. The growth in other income was boosted by a large recovery in write off accounts worth Rs 1337 Cr mainly from the ESSAR Steel.
- ☐ Gross NPA during the quarter stood at 16.31% v/s 16.30% QoQ while the Net NPA stood at 5.97% v/s 5.87% QoQ.
- ☐ Advances during the quarter by grew 2%/1% on YoY/QoQ basis with domestic advances increasing by 7% YoY while the Foreign advances declined by 25% YoY.

NIM improves, Profitability remains subdued

NII increased by 23.6% YoY from Rs 3,332 Cr in Q3FY19 2018 to Rs 4,119 Cr in Q3FY20 with improvement in NIM which stood at the 3.07% v/s 2.55% in Q3FY19. Yield on advances stood at 8.91% v/s 8.31% in Q3FY19 while the cost of deposit stood at 4.58% v/s 4.49% YoY. The employee cost during the quarter declined by 3.5% YoY while the other expense de-grew by 15.4% YoY. Provisions declined by 55% to Rs 4015 Cr against Rs 9001 Cr. PAT stood at Rs 106 Cr against loss of Rs 4738 Cr. Provisioning for DHFL is around 15% for total exposure of Rs 4200 Cr. Bank is totally covered for Bonds coverage from DHFL.

High level of slippages

Gross NPA during the quarter stood at 16.31% v/s 16.30% QoQ while the Net NPA stood at 5.97% v/s 5.87% QoQ. The slippages during the quarter were at Rs 6716 Cr v/s the Rs 4315 in Q3FY19 while the reduction was Rs 6716 Cr v/s Rs 4315 Cr in Q3FY19. The slippages were primarily from the three NBFC accounts worth Rs 5500 Cr. Recoveries from NCLT were around Rs 2000 Cr and Rs 900 Cr from outside NCLT. Management is looking at NPA reduction of around Rs 3000 Cr out of which Rs 2000 Cr would be from NCLT in Q4FY20. In Q4FY19 management is looking for recoveries from 14 accounts. Asset quality guidance for FY21 stands at GNPA: 14% and NNPA 5%.

Improvement in Loan growth

Advances during the quarter grew 2%/1% on YoY/QoQ basis with domestic advances increasing by 7% YoY while the Foreign advances de-grew by 25% YoY. The retail segment grew by 10% YoY. Priority Sector advances stood at Rs 124267 Cr which constitutes 41.38 % of ANBC. Agriculture advances were Rs. 51930 Cr forming 17.29 % of ANBC. Going forward bank is looking to grow its retail book by 12-14%. Deposits during the quarter grew by 1% YoY. The CASA stood at 37% v/s 34% in Q3FY19.

View and Valuation

Bank continued its profitability trend on the back of improving NIM but it remained subdued on account of elevated provisioning. Asset quality during the quarter was moderately affected on account of high level of slippages mostly from 3 NBFC accounts worth around Rs 5000 Cr. Bank has exposure to around Rs 4200 Cr exposure to DHFL on which provisioning is around Rs 15%. SMA 2 book has increased on account of the power generation accounts worth Rs 2800 Cr and Air India worth Rs 1000 Cr. We factor the above and increase our credit cost which is likely to keep return ration under pressure for few more quarters. We reduce our FY20 PAT estimate by 10% and downgrade the stock to Neutral with TP of 68 at 0.45x BVFY21e.

Research Analyst

DEEPAK KUMAR

Deepak.kumar@narnolia.com +91-22-62701205

KETAN MEHROTRA

ketan.mehrotra@narnolia.com

Key Risks to our rating and target

- Delay in Recoveries.
- New Stess owing to adverse microeconomic conditions

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.

3Q FY20 Results PAT Below Expectation

										Fig in Rs cr
Financials	3QFY19	4QFY19	1QFY20	2QFY20	3QFY20	YoY %	QoQ%	FY18	FY19	YoY %
Interest Inc.	10,171	10,814	10,332	10,658	10,835	6.5%	1.7%	38,071	40,768	7.1%
Interest Exp.	6,839	6,770	6,847	6,798	6,717	-1.8%	-1.2%	27,565	27,110	-1.7%
NII	3,332	4,044	3,485	3,860	4,118	23.6%	6.7%	10,506	13,658	30.0%
Other Income	1,669	1,603	1,195	1,327	2,503	50.0%	88.6%	5,734	5,132	-10.5%
Total Income	5,001	5,647	4,680	5,188	6,621	32.4%	27.6%	16,240	18,790	15.7%
Оре Ехр.	2,728	3,344	2,409	2,728	2,486	-8.9%	-8.9%	9,101	10,697	17.5%
PPP	2,273	2,303	2,271	2,460	4,135	81.9%	68.1%	7,139	8,092	13.4%
Provisions	9,001	1,897	1,912	2,052	4,015	-55.4%	95.6%	15,772	16,806	6.6%
PBT	(6,728)	406	359	408	120	LTP	LTP	(8,634)	(8,713)	NA
Тах	(1,990)	154	117	141	14	-101%	-90.0%	(2,590)	(3,167)	NA
Net Profit	(4,738)	252	243	266	106	LTP	LTP	(6,044)	(5,547)	NA

Concall Highlights

- Management said that slippages will be going down further in the coming quarter.
- On recovery front management said it has not ben upto their expectations as some of the NCLT cases which are in advance stages and decisions have come were delayed due to some legal processes and also in power sector under Samadhan 4 accounts are different stages of approvals with different banks which would improve recoveries. Management expects Rs 1200 Cr from the above mentioned 4 accounts under Samadhan. Recoveries are also expected in OTA scheme.
- On SMA 2 book increase management said that there is one HFC account worth Rs 4000 Cr and is the cause of concern and other than that there is one restructured aviation account backed by government less than 4000 Cr on which there is some delayed payment but is not expected to slip and also two government guaranteed accounts which have come in due to technical reason and will not appear going forward.
- > The exposure in Essel group is Rs 386 Cr in ADAG exposure is around Rs 2000 Cr in which one major account has almost 90% provision. India bulls housing account is standard.
- ➤ On MSME accounts which under special dispensation management said that almost 70% are having recovery and 30% are going for restructuring.
- > On High Writeoff during the quarter management said that the accounts were 100% provided, the recovery processes in the accounts were totally exhausted.
- > On effect of repo rate cut and MCLR cut on the yield on advances management said the effect comes with time lag and are applicable to fresh customers.
- Management expects NIM to stay around 3%.
- Management expects loan growth to be better during the second half of the year.
- Management expects slippages to be below Rs 3000 Cr with exception to One HFC account and reliance commercial. The slippages during first half of year has been to the tune of Rs 2000 Cr from agriculture and Rs 1000 Cr from MSME and Rs 550 Cr in retail and Rs 2000 Cr in corporate.
- > Credit cost is expected to go below 1.5% by the end of year.
- > The Claim admitted on Essar steel with NCLT is Rs 1985 Cr.
- > The PCR on NCLT list 1 and list 2 is 100% and amount wise it is list 1 Rs 3500Cr and list 2 Rs 2781 Cr.
- > The exposure to SRIE group is Rs 1300 Cr and is Standard.
- > The Mudra loan outstanding is around Rs 12000 Cr.

BANKINDIA

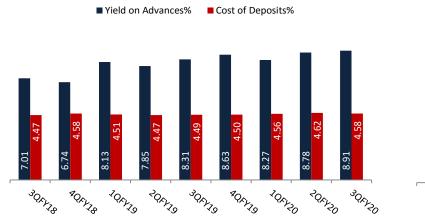
Profitability Matrix									
	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20	2QFY20	3QFY20	YoY (+/-)	QoQ (+/-
C/I Ratio %	55.3	58.4	54.5	59.2	51.5	52.6	45.0	-9.55	- 7.58
Empl. Cost/ Tot. Exp. %	47.1	60.2	55.3	60.8	58.4	58.9	58.5	3.23	-0.40
Other Exp/Tot. Exp.%	52.9	39.8	44.7	39.2	41.6	41.1	41.5	-3.23	0.40
Provision/PPP %	137.2	203.0	396.0	82.4	84.2	83.4	97.1	-298.91	13.67
Tax Rate %	113.7	31.8	29.6	37.9	32.5	34.6	34.0	4.42	-0.64
Int Exp./Int Inc. (%)	66.5	70.0	67.2	62.6	66.3	63.8	64.2	-3.00	0.46
Other Inc./Net Inc. %	19.8	26.0	33.4	28.4	25.5	25.6	41.5	8.16	15.94
PAT/ Net Income %	2.3	(29.2)	(94.7)	4.5	5.2	5.1	10.7	105.46	5.59
PAT Growth %	8.4	N/A	N/A	N/A	155.1	NA	NA	NA	NA
NII Growth %	32.4	0.6	33.2	57.7	3.9	31.9	14.2	-19.03	-17.71
Op. Profit	(21.4)	(26.2)	67.8	96.5	21.5	49.4	57.5	-10.35	8.11
RoE %	1.1	(12.9)	(58.2)	3.4	2.2	2.3	2.6	60.76	0.32
RoA %	0.1	(0.8)	(3.1)	0.2	0.2	0.2	0.1	3.18	-0.11

Margin Performance

margini i direrine									
Margin %	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20	2QFY20	3QFY20	YoY (+/-)	QoQ (+/-
Yield (Total Assets)	8.1	7.9	8.3	8.6	8.3	8.8	8.9	11.21	2.58
Yield on Advances	7.2	7.4	7.3	7.8	7.4	7.2	7.2	-0.05	0.00
Cost of deposit	4.5	4.5	4.5	4.5	4.6	4.6	4.6	6.58	2.08
NIM	2.5	2.3	2.6	2.9	2.7	3.0	3.1	3.90	0.97

Exhibit: Yield and Cost yield and cost deposit increased





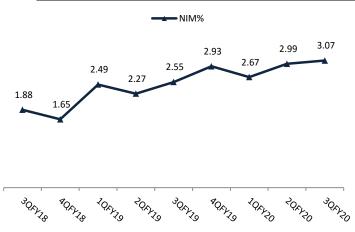


Fig in Rs cr

Other Income Break Up- Healthy growth in FX&Derivatives (YoY)

Commission, Exchange, Profit from Exchange	334	377	265						
Profit from Exchange			203	278	322	378	321	392	317
	275	456	365	373	325	246	294	405	386
Total Fee-Based Income	876	1239	1087	946	647	624	615	797	703
Growth YoY %	-41%	-22%	-48%	-40%	60%	17%	44%	29%	29%
Other Non Int Income	267	406	457	295	689	613	318	321	406
Profit from Sale of	81	-34	-465	-198	71	148	173	112	57
Recovery In W/o accounts	84	170	208	282	262	218	89	98	1337
Other Income	1707	1041	1375	830	1030	1669	1603	1195	1328
Growth YoY %	3%	79%	-7%	5%	6%	-25%	-2%	22%	22%

Exhibit: Fee Income/Advances %

Fee income/Other income as a % of total advances stable

Fee Income/ Advances % Other Income as a % of advances

30/2/20

20xx10

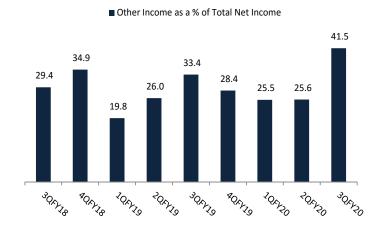
AOKYJO

10xxo

304720

30,50

Exhibit: Other Income/ Total Income %



Asset Quality Fig in Rs cr 1QFY19 4QFY19 2QFY19 3QFY19 1QFY20 2QFY20 3QFY20 YoY (+/-) QoQ (+/-GNPA (Rs in Cr) 60,604 61,561 60,798 60,661 62,068 61,476 61,730 2% 0%

GNPA % 16.7 16.4 16.3 15.8 16.5 0.00 0.00 16.3 16.3 25,994 NNPA (Rs in Cr) 19,438 19,119 19,288 27,932 19,646 20,113 2% 3% NNPA % 7.6 5.9 5.6 5.8 5.9 6.0 0.10 0.10 8.5 3,816 3,102 3,683 Slippages (Rs in Cr) 6,671 4,315 3,166 6,716 56% 112% Specific PCR % 53.9 57.8 68.0 68.5 68.9 68.0 67.4 -0.61 -0.63

Exhibit: Asset Quality

Net NPA Increased

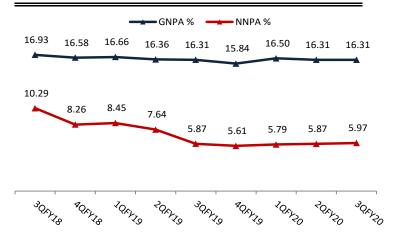
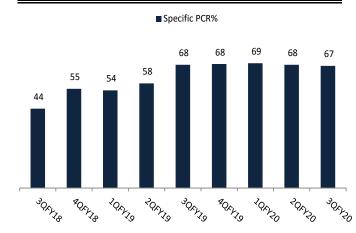


Exhibit: Provisions

PCR remained stable.



BANKINDIA

Exhibit: Advances Performance

advance growth impacted

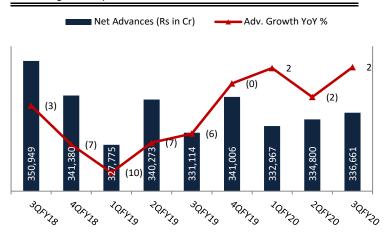


Exhibit: Deposits Performance

Deposit growth increased

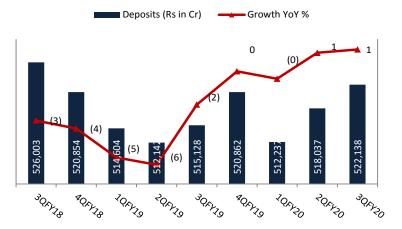


Exhibit: Credit Deposit Ratio

CD ratio falls

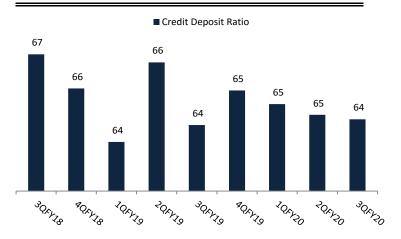


Exhibit: Advances Breakup%

Share of corporate book coming down

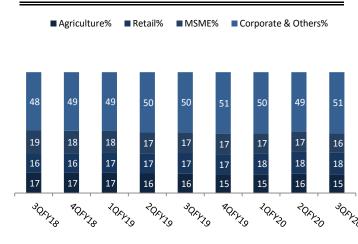
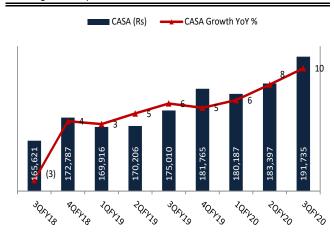


Exhibit: CASA Performance

CASA growth improved



BANKINDIA

Financial Details

Balance Sheet								Fig in Rs cr
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Share Capital	643	666	817	1055	1744	2760	3277	3278
>> Equity Capital	643	666	817	1055	1744	2760	3277	3277
>> Preference Capital	0	0	0	0	0	0	0	1
Reserves & Surplus	29280	30781	31500	31432	33797	43559	43921	46106
Networth	29923	31447	32317	32487	35541	46319	47198	49383
Deposits	476974	531907	513005	540032	520854	520862	519143	526854
Change (%)	25	12	-4	5	-4	0	0	1
>> CASA Deposits	105467	114386	127924	166609	172787	181765	183777	186506
Change (%)	12	8	12	30	4	5	1	1
Borrowings	48428	40057	51083	39406	43589	44241	44387	45520
Other Liabilities & Prov.	17866	15287	13509	14385	9591	13800	13844	14049
Total Liabilities	573190	618698	609914	626309	609575	625223	624572	635807
Cash & Bank	61382	76404	99141	95888	95883	94811	91814	89705
Investments	114152	119792	118849	127827	137111	147639	145360	147519
Change (%)	21	5	-1	8	7	8	-2	1
Advances	370734	402026	359189	366482	341380	341006	347826	358261
Change (%)	28	8	-11	2	-7	0	2	3
Fixed Assets	5786	5886	8480	8462	8265	8920	8742	8567
Other Assets	21136	14591	24254	27651	26936	32846	30830	31755
Total Assets	573190	618698	609914	626309	609575	625223	624572	635807

Income Statemen	ι							Fig in Rs cr
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Interest income	37,910	43,430	41,796	39,291	38,071	40,768	42,588	43,533
Interest expended	27,080	32,086	30,072	27,465	27,565	27,110	27,336	27,579
Net Interest Income	10,831	11,344	11,725	11,826	10,506	13,658	15,252	15,954
Change (%)	20	5	3	1	-11	30	12	5
Other Income	4,292	4,233	3,653	6,772	5,734	5,132	6,695	6,447
Change (%)	14	-1	-14	85	-15	-10	30	-4
>> Core Fee Income	2,137	2,296	2,066	2,501	2,735	2,552	2,811	2,786
>> Treasury Income	795	931	750	3,298	1,438	(444)	816	941
>> Others	1,360	1,006	837	973	1,561	3,024	3,068	2,720
Total Net Income	15,122	15,576	15,377	18,598	16,240	18,790	21,946	22,401
Operating Expenses	6,699	8,089	9,342	8,866	9,101	10,697	10,625	11,873
Change (%)	26	21	15	-5	3	18	-1	12
>> Employee Expenses	3,991	4,986	5,357	5,397	4,903	6,021	6,160	6,720
Pre-provisioning Profit	8,423	7,488	6,036	9,733	7,139	8,092	11,322	10,529
Change (%)	13	-11	-19	61	-27	13	40	-7
Provisions	4,878	5,693	13,826	12,105	15,772	16,806	10,033	6,763
Change (%)	10	17	143	-12	30	7	-40	-33
PBT	3,545	1,795	(7,791)	(2,373)	(8,634)	(8,713)	1,289	3,765
Tax	816	86	(1,702)	(814)	(2,590)	(3,167)	409	1,280
Profit After Tax	2,729	1,709	(6,089)	(1,558)	(6,044)	(5,547)	880	2,485
Change (%)	-1	-37	-456	-74	NA	-8	NA	182

Financial Details

Key Rat	ios
----------------	-----

Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Balance Sheet Metrics								
Loan Growth (%)	28	8	(11)	2	(7)	(0)	2	3
Deposit Growth (%)	25	12	(4)	5	(4)	0	(0)	1
C/D Ratio (%)	78	76	70	68	66	65	67	68
CASA (%)	22	22	25	31	33	35	35	35
Investment/Deposit (%)	24	23	23	24	26	28	28	28
CRAR (%)	10.0	10.7	12.0	12.1	12.9	14.2	15.3	15.7
>> Tier 1 (%)	7.2	8.2	9.0	8.9	9.7	11.1	12.2	12.7
>> Tier 2 (%)	2.7	2.6	3.0	3.2	3.2	3.1	3.1	3.0
Assets Quality Metrics								
Gross NPA (Rs)	11,868	22,193	49,879	52,045	62,328	60,661	61,360	59,924
Gross NPA (%)	3.2	5.4	13.1	13.2	16.6	15.8	15.7	14.9
Net NPA(Rs)	7,417	13,518	27,996	25,305	28,207	19,119	18,408	17,977
Net NPA (%)	2.0	3.4	7.8	6.9	8.3	5.6	5.3	5.0
Slippges (%)	3.1	4.6	10.1	6.1	11.0	5.7	5.4	3.3
Provision Coverage (%)	38	39	44	61	66	77	77	77
Provision/Average Advances (%)	1.5	1.5	3.6	3.3	4.5	4.9	2.9	1.9
Margin Metrics								
Yield On Advances (%)	8.2	8.2	8.0	7.5	7.1	8.0	8.4	8.5
Yield On Investment (%)	8.1	8.0	7.5	7.3	6.9	7.0	7.2	7.0
Yield on Earning Assets (%)	7.8	7.7	7.3	6.9	6.7	7.3	7.5	7.5
Cost Of Deposits (%)	5.5	5.7	5.2	4.6	4.6	4.4	3.3	4.4
Cost Of Funds (%)	5.6	5.7	5.2	4.7	4.8	4.7	4.8	4.8
Spread (%)	2.2	2.0	2.1	2.2	2.0	2.5	2.7	2.8
NIM (%)	2.2	2.0	2.1	2.1	1.9	2.4	2.7	2.8
Profitability & Effeciency I	Metrics							
Int. Expense/Int.Income (%)	71.4	73.9	71.9	69.9	72.4	66.5	64.2	63.4
Fee Income/NII (%)	19.7	20.2	17.6	21.1	26.0	18.7	18.4	17.5
Cost to Income (%)	44.3	51.9	60.7	47.7	56.0	56.9	48.4	53.0
Cost on Average Assets (%)	1.3	1.4	1.5	1.4	1.5	1.7	1.7	1.9
Tax Rate (%)	23.0	4.8	21.8	34.3	30.0	36.3	31.7	34.0
Valuation Datis Matrice								
Valuation Ratio Metrics	42.4	25.7	(74 5)	(14.0)	(24.7)	(20.4)	27	7.0
EPS (Rs)	42.4	25.7	(74.5)	(14.8)	(34.7)	(20.1)	2.7	7.6
Change (%)	(7.9)	(39.5)	(390.2)	(80.2)	134.7	(42)	(113.4)	182.4
ROAE (%)	10.1	5.6	(19.1)	(4.8)	(17.8)	(13.6)	1.9	5.1
ROAA (%)	0.5	0.3	(1.0)	(0.3)	(1.0)	(0.9)	0.1	0.4
Dividend Payout (%)	11.8	19.5				-	-	
Dividend yield (%)	2.2	2.6	- 205.4	- 207.0	- 202.0	167.0	- 144.0	- 450 7
Book Value (Rs)	465.4	472.4	395.4	307.8	203.8	167.9	144.0	150.7
Change (%)	16	2	(16)	(22)	(34)	(18)	(14)	5
P/B (X)	0.5	0.4	0.2	0.5	0.5	0.6	0.5	0.4
P/E (X)	5.4	7.6	(1.3)	(9.4)	(3.0)	(5.2)	24.2	8.6



Financial Details

Exhibit: DuPont Analysis

	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Interest Income	7.3	6.8	6.4	6.2	6.6	6.8	6.9
Interest expended	5.4	4.9	4.4	4.5	4.4	4.4	4.4
Net Interest Income	1.9	1.9	1.9	1.7	2.2	2.4	2.5
Non-Fund Based Income	0.7	0.6	1.1	0.9	0.8	1.1	1.0
>> Core Fee Income	0.4	0.3	0.4	0.4	0.4	0.4	0.4
>> Trading and Other Income	0.3	0.3	0.7	0.5	0.4	0.6	0.6
Core Operating Income	2.3	2.2	2.3	2.1	2.6	2.9	3.0
Total Income	2.6	2.5	3.0	2.6	3.0	3.5	3.6
Total Operating Expenses	1.4	1.5	1.4	1.5	1.7	1.7	1.9
>> Employee Expenses	0.8	0.9	0.9	0.8	1.0	1.0	1.1
>> Other Expenses	0.5	0.6	0.6	0.7	0.8	0.7	0.8
Operating Profit	1.3	1.0	1.6	1.2	1.3	1.8	1.7
Provisions	1.0	2.3	2.0	2.6	2.7	1.6	1.1
Others	-	-	-	-	-	-	-
PBT	0.3	(1.3)	(0.4)	(1.4)	(1.4)	0.2	0.6
Tax	0.0	(0.3)	(0.1)	(0.4)	(0.5)	0.1	0.2
PAT/RoAA	0.3	(1.0)	(0.3)	(1.0)	(0.9)	0.1	0.4
Equity Multiplier (x)	19.4	19.3	19.1	18.2	15.1	13.4	13.0
ROAE	5.6	(19.1)	(4.8)	(17.8)	(13.6)	1.9	5.1

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.

<u>Disclosures</u>: 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 Report	NIL
	. ,	

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

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 NBFC: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 media 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 decisions, based on their own investment objectives, financial positions and needs of specific recipient. Certain transactions -including those involving futures, options, another derivative products as well as non-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 con

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.