Manappuram Finance Ltd

Narnolia®

Industry Bloomberg BSE CODE Financial MGFL IN 531213

Profitability to Remain Robust Driven by Gold and MFI Segment

RATING BUY CMP 168 Price Target 196 Potential Upside 17%



Stock Info

52wk Range H/L	174/76
Mkt Capital (Rs Cr)	14,175
Free float (%)	65%
Avg. Vol 1M (,000)	5,092
No. of Shares (Cr)	84
Promoters Pledged %	1%

Fig. In RS Cr

FINANCIAL	FY19	FY20E	FY21E
NII	2698	3476	4178
PPP	1473	2083	2478
PAT	922	1445	1721
NIM %	15.3	15.9	15.6
EPS (Rs)	11	17	20
EPS growth	36	57	19
ROE (%)	22	28	27
ROA (%)	4.9	6.6	6.5
BV	54	68	85
P/B (X)	3.1	2.5	2.0
P/E (x)	15	10	8

Research Analyst DEEPAK KUMAR

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

2QFY20 Result Update

- ☐ MANAPPURAM reported healthy NII growth of 24%/9%YoY/QoQ backed by strong AUM growth. PAT grew robustly by 82%/50% YoY/QoQ above our expectation.
- □ AUM growth has been robust at 32%/12% YoY/QoQ mainly driven by high growth in gold loan segment and microfinance. Gold loan disbursement increased by 91% QoQ. The company expects good growth in gold loan in 2HFY20 driven largely by growth in tonnage. Sustainable growth is 10-12% in tonnage.
- □ Asset quality improved as GNPA/NNPA both declined by 10 bps QoQ to 0.6%/0.3% in 2QFY20. However GNPAs in housing segment and CV segment have been high at 4.8% and 2.8%.

Margins remained stable QoQ

NII grew by 32%/12% YoY/QoQ backed by strong AUM growth. NIM remained almost stable QoQ and declined YoY by 77 bps to 16.60% due high cost of funds YoY. Yield declined by 49 bps YoY whereas it increased by 24 bps QoQ. Weighted average cost of borrowing increased by 42 bps YoY to 9.30% in 2QFY20.

Gold loan driving the growth

AUM grew by 32%/12% YoY/QoQ mainly driven by gold loan segment and microfinance segment. Gold loan grew by 21% YoY highest in last 11 quarters, whereas MFI grew by 73% YoY. CV segment also reported high growth of 61% YoY. The portfolio composition moved towards gold loan in 2QFY20 due to growth in the segment. Gold loan composition to total portfolio increased to 67% from 66% last quarter. Home loans also grew by 27% YoY. Gold loan disbursement increased by 91% QoQ. Gold loan grew by 21% YoY/14% YoY/QoQ due to growth in gold holdings to 72 Tonnes from 68.4 Tonnes QoQ and 7% YoY and high gold prices. Major growth came from rest of India other than south. The company expects good growth in gold loan in 2HFY20 driven largely by growth in tonnage. Sustainable growth is 10-12% in tonnage.

Asset quality improved

Asset quality improved as GNPA/NNPA both declined by 10 bps QoQ to 0.6%/0.3% in 2QFY20. However GNPAs in housing segment and CV segment have been high at 4.8% and 2.8%. GNPA is expected to be maintained at 2.8% for Vehicle Finance segment going ahead.

View and Valuation

MANAPPURAM growth has been driven by non-gold loan segment earlier but this quarter being an exceptional quarter with high growth registered in gold loan segment on the account of high gold prices. MFI business also has been major growth driver for the company. Asset quality is intact as NPAs are improving. Management has plans to increase the share of non-gold loan segment to 50% of the total loan book in next 3-5 years. Despite the liquidity pressure, growth is unlikely to hamper in near term due to its short-term asset's maturity profile and upgradation in credit rating on the account of strong financials. Factoring favourable gold prices and other segments performing well we increase our PAT estimates for FY20 by 12% and upgrade the stock to BUY from HOLD with the target price of Rs 196 at Rs 2.3X BV FY21.

Key Risks to our rating and target

- ☐ Gold loan Growth.
- ☐ Rise in delinquency will affect the credit cost

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.

2QFY20 Results Above expectation

Strong Performance

								F	ig. In Rs Cr
2QFY19	3QFY19	4QFY19	1QFY20	2QFY20	YoY %	QoQ%	FY18	FY19	YoY %
1,014	1,081	1,085	1,174	1,287	26.8%	9.6%	3,356	4,017	19.7%
317	354	354	380	425	33.9%	11.8%	1,030	1,319	28.0%
697	727	731	794	862	23.6%	8.5%	2,326	2,698	16.0%
13	20	18	11	47	261.6%	350.5%	64	99	54.3%
710	747	750	805	909	28.0%	13.0%	2,449	2,859	16.8%
344	350	364	354	365	6.2%	3.3%	1,235	1,386	12.3%
366	397	386	451	544	48.5%	20.6%	1,214	1,473	21.3%
16	9	6	37	29		-19.7%	177	46	-74.0%
350	388	380	414	514	47.0%	24.1%	1,037	1,427	37.6%
126	141	122	142	107	-15%	-24.9%	361	498	37.9%
222	245	257	270	404	81.9%	49.9%	677	922	36%
	1,014 317 697 13 710 344 366 16 350	1,014 1,081 317 354 697 727 13 20 710 747 344 350 366 397 16 9 350 388 126 141	1,014 1,081 1,085 317 354 354 697 727 731 13 20 18 710 747 750 344 350 364 366 397 386 16 9 6 350 388 380 126 141 122	1,014 1,081 1,085 1,174 317 354 354 380 697 727 731 794 13 20 18 11 710 747 750 805 344 350 364 354 366 397 386 451 16 9 6 37 350 388 380 414 126 141 122 142	1,014 1,081 1,085 1,174 1,287 317 354 354 380 425 697 727 731 794 862 13 20 18 11 47 710 747 750 805 909 344 350 364 354 365 366 397 386 451 544 16 9 6 37 29 350 388 380 414 514 126 141 122 142 107	1,014 1,081 1,085 1,174 1,287 26.8% 317 354 354 380 425 33.9% 697 727 731 794 862 23.6% 13 20 18 11 47 261.6% 710 747 750 805 909 28.0% 344 350 364 354 365 6.2% 366 397 386 451 544 48.5% 16 9 6 37 29 350 388 380 414 514 47.0% 126 141 122 142 107 -15%	1,014 1,081 1,085 1,174 1,287 26.8% 9.6% 317 354 354 380 425 33.9% 11.8% 697 727 731 794 862 23.6% 8.5% 13 20 18 11 47 261.6% 350.5% 710 747 750 805 909 28.0% 13.0% 344 350 364 354 365 6.2% 3.3% 366 397 386 451 544 48.5% 20.6% 16 9 6 37 29 -19.7% 350 388 380 414 514 47.0% 24.1% 126 141 122 142 107 -15% -24.9%	1,014 1,081 1,085 1,174 1,287 26.8% 9.6% 3,356 317 354 354 380 425 33.9% 11.8% 1,030 697 727 731 794 862 23.6% 8.5% 2,326 13 20 18 11 47 261.6% 350.5% 64 710 747 750 805 909 28.0% 13.0% 2,449 344 350 364 354 365 6.2% 3.3% 1,235 366 397 386 451 544 48.5% 20.6% 1,214 16 9 6 37 29 -19.7% 177 350 388 380 414 514 47.0% 24.1% 1,037 126 141 122 142 107 -15% -24.9% 361	2QFY19 3QFY19 4QFY19 1QFY20 2QFY20 Yo Y % QoQ% FY18 FY19 1,014 1,081 1,085 1,174 1,287 26.8% 9.6% 3,356 4,017 317 354 354 380 425 33.9% 11.8% 1,030 1,319 697 727 731 794 862 23.6% 8.5% 2,326 2,698 13 20 18 11 47 261.6% 350.5% 64 99 710 747 750 805 909 28.0% 13.0% 2,449 2,859 344 350 364 354 365 6.2% 3.3% 1,235 1,386 366 397 386 451 544 48.5% 20.6% 1,214 1,473 16 9 6 37 29 -19.7% 177 46 350 388 380 414 514 <t< td=""></t<>

Concall Highlights

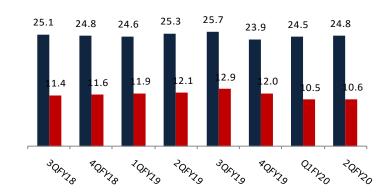
- ➤ PAT grew by 82%/50% YoY/QoQ which includes one impact of Rs 60 Cr on the account of recent corporate tax rate cut and some other income.
- Security cost came down to Rs 12.4 Cr from Rs 15.1 Cr in last quarter.
- ➤ Gold loan grew by 21% YoY/14% YoY/QoQ due to growth in gold holdings to 72 Tonnes from 68.4 Tonnes QoQ and 7% YoY and high gold prices. Major growth came from rest of India other than south. The company expects good growth in gold loan in 2HFY20 driven largely by growth in tonnage. Sustainable growth is 10-12% in tonnage.
- > AUM of Asirwad Finance grew by 73%/12% YoY/QoQ driven by new customer as average ticket size remains the same.
- CV segment is expected to be third major driver for the company after god and MFI.
- NON gold segment constitutes 33% of the total portfolio which is expected to reach to 50% over period of time along with focus on gold loan segment.
- ➤ The company raised Rs 200 Cr through NCDs in 2QFY20. The Company is in the process of raising funds through foreign currency bonds . No funding challenge is there.
- > The company takes a cautious stance in West Bengal region.
- ➤ The company approved the establishment of a medium term note programme to raise up to USD 750 Mn. First tranche of \$ 300 Mn is expected in last week of November itself.
- > LTV for gold loan for 2QFY20 stood at 60%.22% of the book has LTV less than 60%,60-70% is 43% and 35% of the book has 70-75% LTV.
- GNPA is expected to be maintained at 2.8% for Vehicle Finance segment going ahead.
- ➤ The company has brought down the ticket size in home loan business looking at delinquencies in high ticket size loans.

Profitability Matrix									
	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	Q1FY20	2QFY20	YoY (+/-)	QoQ (+/-
C/I Ratio %	50.2	50.2	48.4	46.9	48.5	44.0	40.2	-8.25	-3.77
Empl. Cost/ Tot. Exp. %	25.9	26.0	25.0	24.1	25.8	24.5	22.4	-2.59	-2.12
Other Exp/Tot. Exp.%	20.9	21.4	20.3	19.6	19.4	13.9	12.8	-7.51	-1.10
Provision/PPP %	12.6	17.7	4.4	2.2	1.5	8.1	5.4	0.97	-2.70
Tax Rate %	34.5	35.1	36.0	36.3	32.0	34.3	20.8	-15.23	-13.55
Int Exp./Int Inc. (%)	30.2	31.5	31.3	32.7	32.6	32.4	33.0	1.74	0.66
Other Inc./NII %	50.0	(54.4)	37.5	58.2	27.8	(7.6)	261.6	224.11	269.19
PPP/ Net Income %	49.8	49.8	51.6	53.1	51.5	56.0	59.8	8.25	3.77
PAT/ Net Income %	28.3	30.6	31.3	32.8	34.3	33.5	44.4	13.16	10.94
NII Growth % (YoY)	2.2	11.9	19.0	19.0	18.1	23.8	23.6	4.64	-0.17
PPP Growth YoY %	(9.0)	4.8	27.9	40.5	22.3	38.8	48.5	20.66	9.68
PAT Growth %	(10.6)	20.9	39.0	43	43.2	36.0	81.9	42.84	45.86

Margin Performance

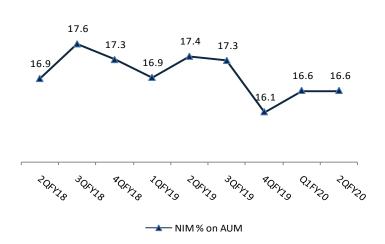
margin i orionina	41100								
Margin %	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	Q1FY20	2QFY20	YoY (+/-)	QoQ (+/-
Yield on Advances	24.8	24.6	25.3	25.7	23.9	24.5	24.8	-0.49	0.24
Cost Of Funds	11.6	11.9	12.1	12.9	12.0	10.5	10.6	-1.47	0.11
Spreads	13.2	12.7	13.2	12.8	12.0	14.0	14.2	0.98	0.14
NIM	17.3	16.9	17.4	17.3	16.1	16.6	16.6	-0.77	0.00

Exhibit: Yield and Cost Yield increased & cost of funds increased



■ Yield% (Cal.) ■ Cost of Fund % (Cal.)

Exhibit: Net Interest Margin NIM stable QoQ



Asset & Borrowings Growth Trend

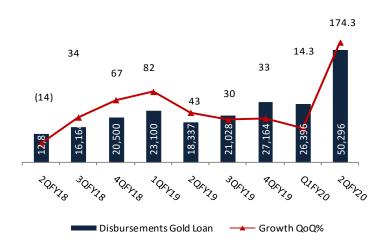
QFY18 12816	3QFY18	4QFY18	1QFY19	2QFY19	3QFY19	40EV10	4.0.51/0.0	
12816				-45	JQ1 113	4QFY19	1QFY20	2QFY20
	16164	20500	23100	18337	21028	27164	26396	50296
-14	34	67	82	43	30	33	14	174
13723	14650	15765	16618	17191	17783	19438	20186	22677
-5	1	15	24	25	21	23	21	32
8753	9429	10240	11027	11354	11390	12743	11312	15400
	-23	12	27	30	21	24	10	36
	8753	8753 9429	8753 9429 10240	8753 9429 10240 11027	8753 9429 10240 11027 11354	8753 9429 10240 11027 11354 11390	8753 9429 10240 11027 11354 11390 12743	

Exhibit: AUM Growth %

AUM growth strong

Exhibit: Disbursement Growth %





Asset Mix

	2QFY18	3QFY18	4QFY18	1QY19	2QFY19	3QFY19	4QFY19	1QFY20	2QFY20
Gold Loan	78	77	74	75	73	70	67	66	67
Microfinance	14	14	15	15	16	18	20	21	21
CV	3	3	4	4	5	5	6	6	6
Others	4	5	6	6	6	6	8	7	6

Asset Quality

	4QFY18	1QY19	2QFY19	3QFY19	4QFY19	1QFY20	2QFY20	YoY (+/-)	QoQ (+/-
GNPA	110	116	120	103	97	141	136	15.7	(5)
GNPA %	0.7	0.7	0.7	0.6	0.5	0.7	0.6	(0.1)	(0.1)
NNPA	47	50	34	53	58	81	68	33.6	(13)
NNPA %	0.3	0.3	0.2	0.3	0.3	0.4	0.3	0.1	(0.1)
Total Specific PCR %	63	57	71	48	39	61	68	(3.4)	7

Others

	2QFY18	3QFY18	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20	1QFY20
GOLD AUM PER BRANCH	3.3	3.4	3.5	3.7	3.8	3.7	3.8	3.9	4.4
GOLD HOLDING (TONNES)	60	62	64	66	67	66	68	68	72

Exhibit: Asset Quality

Asset Quality Improved

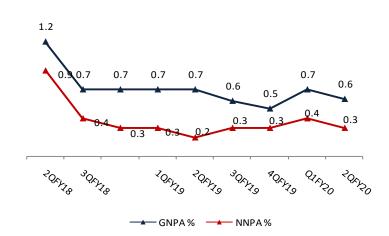
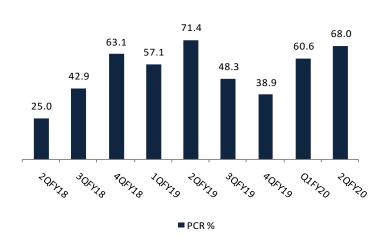


Exhibit: Provisions

PCR increased



Financial Details

Balance Sheet							F	ig. In Rs Cr
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Share Capital	168	168	168	168	169	169	169	169
>> Equity Capital	168	168	168	168	169	169	169	169
>> Preference Capital								
Reserves & Surplus	2,324	2,465	2,590	3,193	3,645	4,356	5,549	7,017
Networth	2,492	2,633	2,758	3,362	3,813	4,525	5,717	7,185
Change (%)	2	6	5	22	13	19	26	26
Total Borrowings	7,795	8,392	9,638	9,403	12,607	15,295	19,595	23,514
Change (%)				(2)	34	21	28	20
Provisions	100	51	78	166	45	55	60	72
Other Liabilities	452	541	365	2,221	564	579	637	701
Total Liabilities	10,838	11,616	12,839	15,152	17,030	20,454	26,010	31,473
Investments	796	217	49	5	5	174	200	230
Loans	8,378	9,770	11,515	13,969	15,244	17,812	22,265	26,718
Change (%)	(18)	17	18	21	9	17	25	20
Fixed Assets	202	174	195	187	275	332	398	478
Other Assets	618	663	476	468	782	972	1,167	1,400
Cash Balances	844	793	604	523	724	1,164	1,980	2,647
Total Assets	10,838	11,616	12,839	15,152	17,030	20,454	26,010	31,473

Income Statement							F	ig. In Rs Cr
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Interest income	2,076	1,968	2,349	3,388	3,356	4,017	5,203	6,237
Interest expended	1,027	877	947	1,169	1,030	1,319	1,727	2,059
Net Interest Income	1,049	1,091	1,402	2,219	2,326	2,698	3,476	4,178
Change (%)	(1)	4	28	58	5	16	29	20
Other Income	36	25	25	21	123	162	96	87
Change (%)	76	(30)	(1)	(15)	478	32	(41)	(9)
Total Net Income	1,085	1,116	1,426	2,240	2,449	2,859	3,572	4,264
Change (%)	1	3	28	57	9	17	25	19
Operating Expenses	695	674	836	965	1,235	1,386	1,488	1,787
Change (%)	1	(3)	24	16	28	12	7	20
>> Employee Expenses	324	315	433	503	626	720	846	1,023
Change (%)	(5)	(3)	38	16	25	15	18	21
>> Other Expenses	372	360	403	400	528	571	488	597
Pre-provisioning Profit	390	442	591	1,275	1,214	1,473	2,083	2,478
Change (%)	0	13	34	116	(5)	21	41	19
Provisions	47	28	42	109	177	46	139	185
Change (%)	(43)	(40)	51	157	63	(74)	201	34
PBT	343	414	548	1,166	1,037	1,427	1,945	2,292
Tax	117	142	193	407	361	498	499	571
Profit After Tax	226	271	355	758	676	929	1,445	1,721
Change (%)	8	20	31	114	(11)	38	56	19
Adjusted Profit After Tax	226	271	353	756	677	922	1,445	1,721
Change (%)	8	20	30	114	(10)	36	57	19

Financial Details

		_			
ĸ	ev	v	3	м	\sim
- 11	CV	-	a	LI	U.

Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Balance Sheet Metrics								
AUM	8,163	9,593	11,434	13,657	15,765	19,438	24,298	29,158
>> Off-Book AUM	(215)	(177)	(81)	(312)	521	1,627	2,033	2,440
AUM Growth (%)	(18.0)	17.5	19.2	19.4	15.4	23.3	25.0	20.0
Borrowing Growth (%)	-	-	-	(2.4)	34.1	21.3	28.1	20.0
Loan/Borrowing (%)	1.1	1.2	1.2	1.5	1.2	1.2	1.1	1.1
Disbursement (Rs Cr)								
Disbursement Growth (%)								
CRAR (%)	28	26	24	26	27	27	26	27
>> Tier 1 (%)								
>> Tier 2 (%)								
Debt/Equity(x)	3.1	3.2	3.5	2.8	3.3	3.4	3.4	3.:
Assets Quality Metrics								
Gross NPA (Rs)	100	107	98	273	110	97	146	175
Gross NPA (%)	1.2	1.2	1.0	2.0	0.7	0.5	0.6	0.0
Net NPA (Rs)	82	89	76	232	47	58	73	8
Net NPA (%)	1.0	1.0	0.7	1.7	0.3	0.3	0.3	0.:
Specific Provision Coverage (%)	17	17	22	15	57	40	50	5(
Provision/Average Advances (%)	0.5	0.3	0.4	0.9	1.2	0.3	0.6	0.
Tovision, tverage havanees (70)								
Margin Metrics								
Yield On Advances (%)	22.9	22.2	22.3	27.0	22.8	22.8	23.8	23.3
Cost Of Funds (%)	11.6	10.8	10.5	12.4	10.6	11.5	11.9	11.6
Spread (%)	11.3	11.3	11.8	14.6	12.2	11.3	11.9	11.8
NIM on AUM (%)	11.6	12.3	13.3	17.7	15.8	15.3	15.9	15.6
Profitability & Effeciency	Metrics							
Int. Expense/Int.Income (%)	49.5	44.6	40.3	34.5	30.7	32.8	33.2	33.0
Other Income/NII (%)	3.4	2.3	1.8	1.0	5.3	6.0	2.8	2.:
Operating Profit/Net Income (%)	35.9	39.6	41.4	56.9	49.6	51.5	58.3	58.1
Net Profit/Net Income (%)	20.8	24.3	24.9	33.9	27.6	32.5	40.5	40.4
Cost to Income (%)	64.1	60.4	58.6	43.1	50.4	48.5	41.7	41.9
Employee Exp/Net Income (%)	29.8	28.2	30.3	22.4	25.6	25.2	23.7	24.0
Cost on Average Assets (%)	5.9	6.0	6.8	6.9	7.7	7.4	6.7	6.7
	12.0	6.4	7.2	8.6	14.6	3.1	6.7	7.!
Provision/PPP (%)	34.1	34.4	35.2	34.9	34.8	34.9	25.7	24.9
Tax Rate (%)	J4.1	34.4	33.2	J4.J	J4.0	34.3	23.7	24.5
Valuation Ratio Metrics								
EPS (Rs)	2.7	3.2	4.2	9.0	8.0	10.9	17.2	20.4
Change (%)	8.4	20.0	30.3	113.7	(10.5)	36	56.7	19.1
ROAE (%)	9.2	10.6	13.1	24.7	18.9	22.1	28.2	26.7
ROAA (%)	1.9	2.4	2.9	5.4	4.2	4.9	6.6	6.
Dividend Payout (%)	60.3	67.0	64.3	26.7	7.5	27.4	17.5	14.7
Dividend yield (%)	7.9	6.2	8.0	2.6	0.5	1.5	1.5	1.
<u> </u>	1.4	1.8	2.3	2.0	0.5	2.5	2.5	2.
DPS			32.8	39.9	45.3	53.7	67.8	85.3
	29.6	31.3	02.0					
Book Value(Rs)	29.6 2	31.3	5	22	13	19	26	2
DPS Book Value(Rs) Change (%) P/B (X)				22 2.5	13 2.4	19 3.1	26 2.5	2.0

Financial Details

Exhibit: DuPont Analysis

	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Interest Income	17.6	17.5	19.2	24.2	20.9	21.4	22.4	21.7
Interest expended	8.7	7.8	7.7	8.4	6.4	7.0	7.4	7.2
Net Interest Income	8.9	9.7	11.5	15.9	14.5	14.4	15.0	14.5
Non-Fund Based Income	0.3	0.2	0.2	0.2	0.8	0.9	0.4	0.3
Total Income	9.2	9.9	11.7	16.0	15.2	15.3	15.4	14.8
Total Operating Expenses	5.9	6.0	6.8	6.9	7.6	7.3	6.4	6.2
>> Employee Expenses	2.7	2.8	3.5	3.6	3.9	3.8	3.6	3.6
>> Other Expenses	3.2	3.2	3.3	3.3	3.7	3.4	2.8	2.7
Operating Profit	3.3	3.9	4.8	9.1	7.6	8.0	9.0	8.6
Provisions	0.4	0.3	0.3	0.8	1.1	0.2	0.6	0.6
Others	-	(0.0)	(0.0)	(0.0)	0.0	(0.0)	-	-
PBT	2.9	3.7	4.5	8.3	6.5	7.7	8.4	8.0
Tax	1.0	1.3	1.6	2.9	2.2	2.7	2.1	2.0
PAT/RoAA	1.9	2.4	2.9	5.4	4.3	5.0	6.2	6.0
Equity Multiplier (x)	4.8	4.4	4.5	4.6	4.5	4.5	4.5	4.5
ROAE	9.2	10.6	13.1	24.7	19.2	22.6	28.2	26.7

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: INP00005109 || Eastwind Capital Advisors Pvt Ltd. (EASTWIND)-SEBI Registered Investment Advisor: 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.