JM FINANCIAL

ICICI Bank | BUY

PCR improves sharply; stress formation reducing

ICICI Bank reported a net loss of INR 1.1bn in 1QFY19, against our estimates of INR 16.8bn of profit as management opted to increase provision coverage on NPLs by c.640bps to 54.8% (provisions of INR20.4bn above estimates). ICICI Bank also disclosed Rs246bn of BB&below exposures in the loan book, which comprise of ~INR125bn of loans that were part of the earlier disclosed drilldown list, restructured loans as well as loans under various dispensations. The new disclosures, worth Rs121bn, are exposures to non-stressed sectors and more granular in nature. As a result, we do no expect significant changes to our provisioning estimates for FY19-20. Given the upfronting of provisions, the haircuts to networth in our estimates are now flowing through P&L and result in earnings cut of 35% / 12% to our FY19E / FY20E earnings. As there is a proportionate reduction on the networth hit, our fully adj.BVPS for FY20E remains unchanged. We build slippages of INR 325.7bn and provisions of INR 222.4bn over FY19-20E which adequately provides for the stress. We maintain our positive stance on ICICI Bank given inexpensive valuations.

- Asset quality new BB & below pool is manageable: Bank disclosed the quantum of its 'BB & below' rated exposure in corporate and SME book at INR246.3bn, of which, nearly 51% was identified as stressed in drilldown list, restructured loans and various other dispensations. Further, >55% of the remaining exposure pertains to accounts with outstanding of <INR1bn. The new disclosures are not alarming due to the moderate quantum and granular nature of it. As overall PCR improved, coverage on the 1st and 2nd list of NCLT cases increased to ~88% and ~61% respectively. In the case of one Iron & steel account (1st list), bank had to make entire 100% provision due to ageing of NPA where resolution is yet to happen. On Power, 30% of the bank's power sector exposure is already identified as stressed in one form or another. Of the remaining, 'A- & above' rated ones constituted nearly 80% of the non-SEB exposure.
- Growth on healthy trajectory; Core PPOP improving: Growth came on guided lines as domestic loans grew 15% YoY with retail loans clocking a strong 20% YoY. Improvement in loan book yield (+3bps QoQ) and some recovery in international margins led to stable NIMs (-5bps QoQ). We expect calculated NIMs at 3.2% for FY19E /FY20E with loan book expected to grow at 16% CAGR. Core pre-Provisioning profits (Excluding gains from treasury and stake sale in sub) recovered strongly (+14% YoY) aided by stable trends in operating costs and healthy core fee growth (+17% YoY). We expect stable NIMs and improved growth trajectory to drive PPOP CAGR of 13% over FY18-20E.
- What are our estimates building? We build slippages of INR326bn over FY19 and FY20E with majority of it coming from the existing impaired book of 159bn (including security receipts) and some from the freshly disclosed INR121bn of 'BB & Below' rated exposures. PCR ramp in 1QFY18 and recoveries from NCLT cases will partially aid incremental provisioning cost. We had estimated ~INR263 provisions for ICICI Bank over FY19-20 partially through P&L provisioning and the remaining via write-offs to book value. Post 1QFY19, We now take the entire residual provisioning through P&L and expect additional provisions of c163bn over the next 7 quarters with some degree of up-fronting.

Financial Summary					(INR mn)
Y/E March	FY16A	FY17A	FY18A	FY19E	FY20E
Net Profit	97.3	98.0	67.8	55.5	127
Net Profit (YoY) (%)	-13.0	8.0	-30.9	-18.2	129.4
Assets (YoY) (%)	11.1	7.1	14.0	12.7	14.2
ROA (%)	1.4	1.3	8.0	0.6	1.2
ROE (%)	11.6	10.7	6.8	5.4	11.7
EPS	16.7	15.2	10.5	8.6	19.8
EPS (YoY) (%)	-3.8	-8.8	-30.9	-18.2	129.4
PE (x)	17.5	19.2	27.7	33.8	14.8
BV	149.4	150.7	158.8	162.5	175.2
BV (YoY) (%)	19.5	0.9	5.4	2.3	7.9
P/BV (x)	2.0	1.9	1.8	1.8	1.7

Source: Company data, JM Financial. Note: Valuations as of 27/July/2018

Sameer Bhise sameer.bhise@jmfl.com | Tel: (91 22) 66303489

Jayant Kharote

jayant.kharote@jmfl.com | Tel: (91 22) 66303099

S Parameswaran S.Parameswaran@jmfl.com | Tel: (91 22) 66303075

Karan Singh CFA FRM

karan.uberoi@jmfl.com | Tel: (91 22) 66303082

Nikhil Walecha nikhil.walecha@jmfl.com | Tel: (91 22) 66303027

Bunny Babjee

bunny.babjee@jmfl.com | Tel: (91 22) 66303263

Recommendation and Price Target								
Current Reco.	BUY							
Previous Reco.	BUY							
Current Price Target (12M)	410							
Upside/(Downside)	39.8%							
Previous Price Target	410							
Change	0.0%							

Key Data – ICICIBC IN	
Current Market Price	INR293
Market cap (bn)	INR1,885.9/US\$27.5
Free Float	89%
Shares in issue (mn)	6,429.1
Diluted share (mn)	
3-mon avg daily val (mn)	INR6,020.8/US\$87.7
52-week range	366/255
Sensex/Nifty	37,337/11,278
INR/US\$	68.7

Price Performan	ce		
%	1M	6M	12M
Absolute	5.1	-18.7	-4.6
Relative*	-0.9	-21.5	-17.2

* To the BSE Sensex

JM Financial Research is also available on: Bloomberg - JMFR <GO>, Thomson Publisher & Reuters S&P Capital IQ and FactSet

Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

Asset Quality and movement in sub-investment grade exposures

Exhibit 1. Exposure to stressed sectors steadily	decreasing							
% of total exposure of the Bank	Mar-12	Mar-13	Mar-14	Mar-15	Mar-16	Mar-17	Mar-18	June-18
Power	7.3%	6.4%	5.9%	5.5%	5.4%	5.1%	4.6%	4.6%
Iron and Steel	5.2%	5.1%	5.0%	4.8%	4.5%	3.6%	2.8%	2.5%
Mining	2.0%	1.7%	1.7%	1.5%	1.6%	1.8%	1.5%	1.5%
Other (incl cement and rigs)	1.7%	1.9%	2.2%	2.0%	1.8%	1.5%	1.2%	1.2%
Total	16.2%	15.1%	14.8%	13.8%	13.3%	12.0%	10.1%	9.8%
Sub-investment grade exposures (INR bn)					441	190.4	47.3	44.1
Above as a % of total exposure					4.8%	2.0%	0.46%	0.43%

Source: Company, JM Financial

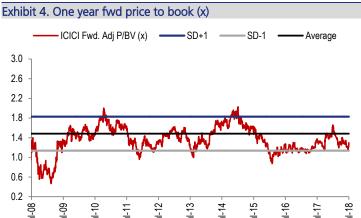
Exhibit 2. Ex-NPA stressed and 'BB & Below' rated exposures	
ICICI Bank stressed exposure outside NPAs (INR mn)	1Q19
Watchlist +std. restructured exposure	58,460
Non-fund based outstanding to existing NPLs	29,290
Other unique restructuring dispensations (S4A, SDR etc.)	37,160
Security reciepts	34,380
Total stressed (a)	1,59,290
Total loans	51,62,887
As a % of loans	3.1%
Including 'BB & below' rated exposures	
Borrowers with o/s greater than >1bn	54,500
Borrowers with o/s less than <1bn	66,880
Total fresh 'BB & below' rated exposures (b)	1,21,380
Total stressed + fresh 'BB & Below' exposures (a+b)	2,80,670
As a % of loans	5.4%
Common Common IM Singuist	

Valuation Summary

Exhibit 3. ICICI Bank: Valuation Summary									
ICICI Bank SOTP	Holding	Valuation Methodology	Value	Contribution					
	(%)		per Share	to TP (%)					
ICICI Bank - Parent	100.0%	1.7x FY20E adj BV	295	72%					
ICICI Prudential Life	54.9%	15% discount to Mcap	60	15%					
ICICI Prudential MF	51.0%	9% of current AUM	19	5%					
ICICI Bank UK	100.0%	1x Current book	4	1%					
ICICI Bank Canada	100.0%	0.8x Current book	4	1%					
ICICI Bank HF	100.0%	1.5x Current book	5	1%					
ICICI Lombard	55.9%	15% discount to Mcap	25	6%					
ICICI Securities	79.2%	15% discount to Mcap	12	3%					
ICICI Ventures	100.0%	10% of FY19E AUM	2	1%					
ICICI Sect. Primary Dealership	100.0%	2x FY19E BV	2	1%					
Less: Cost of investments			-16	-4%					
Total (Rs.)			410	100%					

Source: Company, JM Financial

Source: Bloomberg, JM Financial



Jul-18 -Jul-12 -30-Inc Jul-10 Jul-14 Jul-17 Jul-11

Exhibit 5. One year forward Price to earnings (x)



Source: Bloomberg, JM Financial

ICICI Bank – 1Q19 Trends

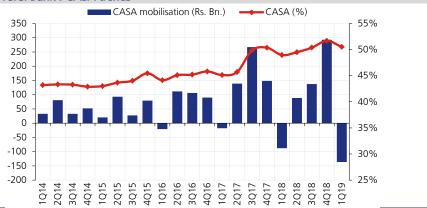
Exhibit 6. ICICI Bank: 1Q19 Re		40110	10110	V=V (0/)	0-0 (0()
Earnings Table (Rs. mn.)	1Q'18	4Q'18	1Q'19	YoY (%)	QoQ (%)
NII Fee based Income	55,898	60,217	61,019	9.2	1.3
	23,770	27,550	27,540	15.9	(0.0)
Trading Profits	8,580	-6,347	-2,190	(125.5)	(65.5)
Misc Income	1,529	2,386	2,068	35.2	(13.3)
Non-Interest income	33,879	23,589	27,418	(19.1)	16.2
Total Income	89,778	83,806	88,437	(1.5)	5.5
Employee Cost	15,112	15,262	15,139	0.2	(0.8)
Other Operating Expenses	22,833	26,601	26,315	15.2	(1.1)
Total Operating Expenses	37,944	41,863	41,453	9.2	(1.0)
Operating Profit	51,833	41,943	46,984	(9.4)	12.0
Total Provisions	26,087	66,258	59,713	128.9	(9.9)
PBT	25,746	-24,315	-12,729	(149.4)	(47.6)
Tax	5,256	-1,318	-434	(108.3)	(67.1)
PAT (Pre-Extraordinaries)	20,490	-22,997	-12,296	NM	(46.5)
Extraordinaries (Net of Tax)	0	33,197	11,100	NM!	(66.6)
Reported Profit	20,490	10,200	-1,196	NM	NM
Balance sheet (Rs. bn.)					
Deposits	4,863	5,610	5,469	12.5	(2.5)
Net Advances	4,641	5,124	5,163	11.3	0.8
Total Assets	7,609	8,792	8,451	11.1	(3.9
Low-cost Deposits (%)	49.0%	51.7%	50.5%	3.2	(2.2)
Loan-Deposit ratio (%)	95.4%	91.3%	94.4%	(1.1)	3.4
Key Ratios					
Credit Quality					
Gross NPAs (Rs. mn.)	4,31,476	5,40,625	5,34,649	23.9	(1.1)
Net NPAs (Rs. mn.)	2,53,062	2,78,863	2,41,701	(4.5)	(13.3
Gross NPA (%)	8.95%	10.04%	9.80%	9.5	(2.4)
Net NPA (%)	5.45%	5.44%	4.68%	(14.1)	(14.0)
Coverage Ratio (%)	41.3%	48.4%	54.8%	32.5	13.2
Capital Adequacy					
Tier I (%)	14.59%	15.92%	15.84%	1.3	(0.1)
CAR (%)	17.69%	18.42%	18.35%	0.7	(0.1)
Du-pont Analysis					, ,
NII / Assets (%)	2.92%	2.85%	2.83%	(0.1)	(0.0)
Non-Interest Inc. / Assets (%)	1.77%	1.11%	1.27%	(0.5)	0.2
Operating Cost / Assets (%)	1.98%	1.98%	1.92%	(0.1)	(0.1)
Operating Profits / Assets (%)	2.71%	1.98%	2.18%	(0.5)	0.2
Provisions / Assets (%)	1.36%	3.13%	2.77%	1.4	(0.4)
ROA (%)	1.07%	0.48%	-0.06%	(1.1)	(0.5)

Source: Company, JM Financial

Exhibit 7. ICICI Bank : Deposit mix					
Deposits Mix (Rs bn)	1Q'18	4Q'18	1Q'19	YoY (%)	QoQ (%)
Current	681	890	767	12.7%	-13.8%
Saving	1,700	2,010	1,996	17.4%	-0.7%
Time	2,482	2,711	2,706	9.0%	-0.2%
Total Deposits	4,863	5,610	5,469	12.5%	-2.5%
Current	14.0%	15.9%	14.0%	0.0%	-1.8%
Saving	35.0%	35.8%	36.5%	1.5%	0.7%
CASA	49.0%	51.7%	50.5%	1.6%	-1.2%
Time	51.0%	48.3%	49.5%	-1.6%	1.2%
Total	100%	100%	100%		

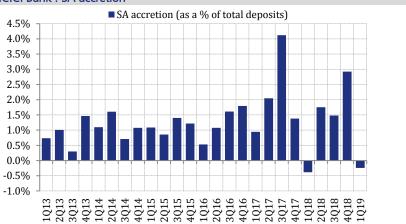
Source: JM Financial, Company





Source: Company, JM Financial

Exhibit 9. ICICI Bank: SA accretion



Source: Company, JM Financial

Exhibit 10. ICICI Bank: Reported Global NIM (%)

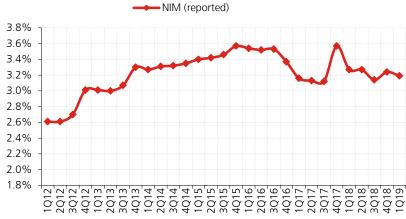
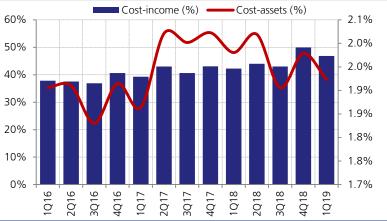


Exhibit 11. ICICI Bank: Cost ratios have been volatile due to pressure on core income

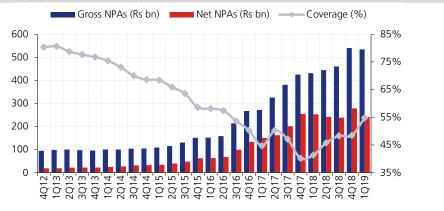


Source: Company, JM Financial

Exhibit 12. ICICI Bank: Trends in loan mix and margins									
	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	
Domestic Ioan mix (%)	79.9%	81.9%	83.9%	84.6%	85.1%	86.0%	87.4%	87.5%	
Overseas loan mix (%)	20.1%	18.1%	16.1%	15.4%	14.9%	14.0%	12.6%	12.5%	
Domestic NIM (%)	3.41%	3.51%	3.96%	3.62%	3.57%	3.53%	3.67%	3.54%	
Overseas NIM (%)	1.65%	0.83%	1.01%	0.73%	0.95%	0.29%	0.04%	0.30%	
Global NIM (%)	3.13%	3.12%	3.57%	3.27%	3.27%	3.14%	3.24%	3.19%	

Source: Company, JM Financial





Financial Tables (Standalone)

Profit & Loss					(INR bn)
Y/E March	FY16A	FY17A	FY18A	FY19E	FY20E
Net Interest Income	212.2	217.4	230.3	265.0	306.6
Profit on Investments	4.2	29.4	4.7	5.0	5.0
Exchange Income	22.7	13.6	14.7	11.4	10.8
Fee & Other Income	92.6	95.3	101.5	116.2	132
Non-Interest Income	119.5	138.2	120.9	132.5	148.3
Total Income	331.7	355.6	351.1	397.5	455
Operating Expenses	126.8	147.6	157.0	178.9	205.9
Pre-provisioning Profits	204.9	208.0	194.1	218.6	249.0
Loan-Loss Provisions	67.0	143.5	186.2	155.2	67.2
Provisions on Investments	1.7	6.1	0.0	0.0	0.0
Others Provisions	48.0	2.5	-13.1	0.0	0
Total Provisions	116.7	152.1	173.1	155.2	67
PBT	88.2	56.0	21.0	63.4	182
Tax	17.9	14.8	6.6	19.0	54.5
PAT (Pre-Extraordinaries)	70.3	41.2	14.5	44.4	127
Extra ordinaries (Net of Tax)	27.0	56.8	53.3	11.1	0.0
Reported Profits	97.3	98.0	67.8	55.5	127
Dividend paid	31.9	14.5	11.3	32.1	45.0
Retained Profits	65.4	83.5	56.5	23.3	82.2

Source: Company, JM Financial

Profit & Loss					(INR bn)	Balance Sheet					(INR bn)
//E March	FY16A	FY17A	FY18A	FY19E	FY20E	Y/E March	FY16A	FY17A	FY18A	FY19E	FY20E
let Interest Income	212.2	217.4	230.3	265.0	306.6	Equity Capital	11.6	11.7	12.9	12.9	12.9
Profit on Investments	4.2	29.4	4.7	5.0	5.0	Reserves & Surplus	857.5	957.4	1,008.3	1,031.6	1,113.8
xchange Income	22.7	13.6	14.7	11.4	10.8	Deposits	4,214.3	4,900.4	5,609.8	6,339.0	7,321.6
ee & Other Income	92.6	95.3	101.5	116.2	132	Borrowings	1,748.1	1,475.6	1,828.6	2,158.3	2,462.2
Ion-Interest Income	119.5	138.2	120.9	132.5	148.3	Other Liabilities	347.3	342.5	302.0	332.2	365.4
otal Income	331.7	355.6	351.1	397.5	455	Total Liabilities	7,178.8	7,687.5	8,761.5	9,873.9	11,275.8
Operating Expenses	126.8	147.6	157.0	178.9	205.9	Investments	1,604.1	1,615.1	2,029.9	2,064.6	2,363.0
re-provisioning Profits	204.9	208.0	194.1	218.6	249.0	Net Advances	4,352.6	4,642.3	5,124.0	5,866.9	6,864.3
oan-Loss Provisions	67.0	143.5	186.2	155.2	67.2	Cash & Equivalents	879.3	757.1	841.7	956.1	1,099.2
Provisions on Investments	1.7	6.1	0.0	0.0	0.0	Fixed Assets	47.6	47.6	48.6	52.8	58.1
Others Provisions	48.0	2.5	-13.1	0.0	0	Other Assets	295.1	625.3	717.3	933.5	891.3
otal Provisions	116.7	152.1	173.1	155.2	67	Total Assets	7,178.8	7,687.5	8,761.5	9,873.9	11,275.8
РВТ	88.2	56.0	21.0	63.4	182	Source: Company, JM F	inancial				
ax	17.9	14.8	6.6	19.0	54.5						

Key Ratios Y/E March FY16A Growth (YoY) (%) 16.6 Deposits 16.6 Advances 12.3 Total Assets 11.1 NII 11.5 Non-interest Income -1.9 Operating Expenses 10.3 Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3 Profitability (%)	FY17A 16.3 6.7 7.1 2.4 15.7 16.3	14.5 10.4 14.0 5.9	13.0 14.5 12.7	FY20E 15.5
Deposits 16.6 Advances 12.3 Total Assets 11.1 NII 11.5 Non-interest Income -1.9 Operating Expenses 10.3 Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3	6.7 7.1 2.4 15.7	10.4	14.5	
Advances 12.3 Total Assets 11.1 NII 11.5 Non-interest Income -1.9 Operating Expenses 10.3 Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3	6.7 7.1 2.4 15.7	10.4	14.5	
Total Assets 11.1 NII 11.5 Non-interest Income -1.9 Operating Expenses 10.3 Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3	7.1 2.4 15.7	14.0		17.0
NII 11.5 Non-interest Income -1.9 Operating Expenses 10.3 Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3	2.4 15.7		12.7	17.0
Non-interest Income -1.9 Operating Expenses 10.3 Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3	15.7	5.9		14.2
Operating Expenses 10.3 Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3			15.1	15.7
Operating Profits 3.9 Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) Interest Spread 2.5 NIM 3.3	16.3	-12.5	9.7	11.9
Core Operating profit 10.4 Provisions 199.2 Reported PAT -13.0 Yields / Margins (%)		6.4	13.9	15.0
Provisions 199.2 Reported PAT -13.0 Yields / Margins (%) 2.5 NIM 3.3	1.5	-6.7	12.6	13.9
Reported PAT -13.0 Yields / Margins (%) 2.5 NIM 3.3	-11.0	6.0	12.8	14.2
Yields / Margins (%) Interest Spread 2.5 NIM 3.3	30.3	13.8	-10.3	-56.7
Interest Spread 2.5 NIM 3.3	0.8	-30.9	-18.2	129.4
NIM 3.3				
	2.6	2.7	2.9	2.9
Profitability (%)	3.1	3.1	3.1	3.2
Non-IR to Income 36.0	38.9	34.4	33.3	32.6
Cost to Income 38.2	41.5	44.7	45.0	45.3
ROA 1.4	1.3	0.8	0.6	1.2
ROE 11.6	10.7	6.8	5.4	11.7
Assets Quality (%)				
Slippages 4.4	7.9	6.8	3.8	2.5
Gross NPA 5.8	8.8	10.0	8.2	6.6
Net NPAs 3.0	5.4	5.4	3.5	2.6
Provision Coverage 50.6	40.2	48.4	60.0	62.0
Specific LLP 1.6	3.3	3.8	2.8	1.0
Net NPAs / Networth 14.9	26.0	27.3	19.5	15.9
Capital Adequacy (%)				
Tier I 13.1	14.4	15.9	14.5	13.8
CAR 16.6		18.4		16.5

Dupont Analysis (%)					
Y/E March	FY16A	FY17A	FY18A	FY19E	FY20E
NII / Assets	3.1	2.9	2.8	2.8	2.9
Other Income / Assets	1.8	1.9	1.5	1.4	1.4
Total Income / Assets	4.9	4.8	4.3	4.3	4.3
Cost / Assets	1.9	2.0	1.9	1.9	1.9
PBP / Assets	3.0	2.8	2.4	2.3	2.4
Provisions / Assets	1.7	2.0	2.1	1.7	0.6
PBT / Assets	1.3	0.8	0.3	0.7	1.7
Tax rate	20.3	26.4	31.3	30.0	30.0
ROA	1.4	1.3	0.8	0.6	1.2
RoRWAs	1.7	1.6	1.1	0.8	1.7
Leverage (x)	8.2	8.1	8.3	9.0	9.7
ROE	11.6	10.7	6.8	5.4	11.7

Source: Company, JM Financial

Valuations					
Y/E March	FY16A	FY17A	FY18A	FY19E	FY20E
Shares in Issue	6,429.1	5,815.8	6,429.1	6,429.1	6,429.1
EPS (INR)	17.4	16.7	15.2	10.5	8.6
EPS (YoY) (%)	13.9	-3.8	-8.8	-30.9	-18.2
PER (x)	16.8	17.5	19.2	27.7	33.8
BV (INR)	125	149	151	159	162
BV (YoY) (%)	9.9	19.5	0.9	5.4	2.3
ABV (INR)	122	141	131	141	155
ABV (YoY) (%)	7.7	14.9	-6.8	7.2	9.9
P/BV (x)	2.3	2.0	1.9	1.8	1.8
P/ABV (x)	2.4	2.1	2.2	2.1	1.9
DPS (INR)	4.9	5.5	2.3	1.8	5.0
Div. yield (%)	1.7	1.9	0.8	0.6	1.7

		_	
Date	Recommendation	Target Price	% Chg.
27-Jul-17	Buy	340	
27-Oct-17	Buy	340	0.0
6-Dec-17	Buy	340	0.0
1-Feb-18	Buy	410	20.6
7-May-18	Buy	410	0.0



APPENDIX I

JM Financial Institutional Securities Limited

(formerly known as JM Financial Securities Limited)

Corporate Identity Number: U67100MH2017PLC296081

Member of BSE Ltd., National Stock Exchange of India Ltd. and Metropolitan Stock Exchange of India Ltd. SEBI Registration Nos.: Stock Broker - INZ000163434, Research Analyst – INH000000610 Registered Office: 7th Floor, Cnergy, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India. Board: +9122 6630 3030 | Fax: +91 22 6630 3488 | Email: jmfinancial.research@jmfl.com | www.jmfl.com Compliance Officer: Mr. Sunny Shah | Tel: +91 22 6630 3383 | Email: sunny.shah@jmfl.com

Definition of ratings		
Rating	Meaning	
Buy	Total expected returns of more than 15%. Total expected return includes dividend yields.	
Hold	Price expected to move in the range of 10% downside to 15% upside from the current market price.	
Sell	Price expected to move downwards by more than 10%	

Research Analyst(s) Certification

The Research Analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that:

All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and

No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

Important Disclosures

This research report has been prepared by JM Financial Institutional Securities Limited (JM Financial Institutional Securities) to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its associates solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of JM Financial Institutional Securities. This report has been prepared independent of the companies covered herein.

JM Financial Institutional Securities is registered with the Securities and Exchange Board of India (SEBI) as a Research Analyst and a Stock Broker having trading memberships of the BSE Ltd. (BSE), National Stock Exchange of India Ltd. (NSE) and Metropolitan Stock Exchange of India Ltd. (MSEI). No material disciplinary action has been taken by SEBI against JM Financial Institutional Securities in the past two financial years which may impact the investment decision making of the investor.

JM Financial Institutional Securities renders stock broking services primarily to institutional investors and provides the research services to its institutional clients/investors. JM Financial Institutional Securities and its associates are part of a multi-service, integrated investment banking, investment management, brokerage and financing group. JM Financial Institutional Securities and/or its associates might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, broking, financing or any other advisory services to the company(ies) covered herein. JM Financial Institutional Securities and/or its associates might have received during the past twelve months or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services.

JM Financial Institutional Securities and/or its associates, their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (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) covered under this report or (c) act as an advisor or lender/borrower to, or may have any financial interest in, such company(ies) or (d) considering the nature of business/activities that JM Financial Institutional Securities is engaged in, it may have potential conflict of interest at the time of publication of this report on the subject company(ies).

Neither JM Financial Institutional Securities nor its associates or the Research Analyst(s) named in this report or his/her relatives individually own one per cent or more securities of the company(ies) covered under this report, at the relevant date as specified in the SEBI (Research Analysts) Regulations, 2014.

The Research Analyst(s) principally responsible for the preparation of this research report and members of their household are prohibited from buying or selling debt or equity securities, including but not limited to any option, right, warrant, future, long or short position issued by company(ies) covered under this report. The Research Analyst(s) principally responsible for the preparation of this research report or their relatives (as defined under SEBI (Research Analysts) Regulations, 2014); (a) do not have any financial interest in the company(ies) covered under this report or (b) did not receive any compensation from the company(ies) covered under this report, or from any third party, in connection with this report or (c) do not have any other material conflict of interest at the time of publication of this report. Research Analyst(s) are not serving as an officer, director or employee of the company(ies) covered under this report.

While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and JM Financial Institutional Securities does not warrant its accuracy or completeness. JM Financial Institutional Securities may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision.

The investment discussed or views expressed or recommendations/opinions given herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and JM Financial Institutional Securities reserves the right to make modifications and alterations to this statement as they may deem fit from time to time.

This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction.

This report is not directed or intended for distribution to, or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject JM Financial Institutional Securities and/or its affiliated company(ies) to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

Persons who receive this report from JM Financial Singapore Pte Ltd may contact Mr. Ruchir Jhunjhunwala (ruchir.jhunjhunwala@jmfl.com) on +65 6422 1888 in respect of any matters arising from, or in connection with, this report.

Additional disclosure only for U.S. persons: JM Financial Institutional Securities has entered into an agreement with JM Financial Securities, Inc. ("JM Financial Securities"), a U.S. registered broker-dealer and member of the Financial Industry Regulatory Authority ("FINRA") in order to conduct certain business in the United States in reliance on the exemption from U.S. broker-dealer registration provided by Rule 15a-6, promulgated under the U.S. Securities Exchange Act of 1934 (the "Exchange Act"), as amended, and as interpreted by the staff of the U.S. Securities and Exchange Commission ("SEC") (together "Rule 15a-6").

This research report is distributed in the United States by JM Financial Securities in compliance with Rule 15a-6, and as a "third party research report" for purposes of FINRA Rule 2241. In compliance with Rule 15a-6(a)(3) this research report is distributed only to "major U.S. institutional investors" as defined in Rule 15a-6 and is not intended for use by any person or entity that is not a major U.S. institutional investor. If you have received a copy of this research report and are not a major U.S. institutional investor, you are instructed not to read, rely on, or reproduce the contents hereof, and to destroy this research or return it to JM Financial Institutional Securities or to JM Financial Securities.

This research report is a product of JM Financial Institutional Securities, which is the employer of the research analyst(s) solely responsible for its content. The research analyst(s) preparing this research report is/are resident outside the United States and are not associated persons or employees of any U.S. registered broker-dealer. Therefore, the analyst(s) are not subject to supervision by a U.S. broker-dealer, or otherwise required to satisfy the regulatory licensing requirements of FINRA and may not be subject to the Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

JM Financial Institutional Securities only accepts orders from major U.S. institutional investors. Pursuant to its agreement with JM Financial Institutional Securities, JM Financial Securities effects the transactions for major U.S. institutional investors. Major U.S. institutional investors may place orders with JM Financial Institutional Securities directly, or through JM Financial Securities, in the securities discussed in this research report.

Additional disclosure only for U.K. persons: Neither JM Financial Institutional Securities nor any of its affiliates is authorised in the United Kingdom (U.K.) by the Financial Conduct Authority. As a result, this report is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000) in connection with the matters to which this report relates may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This report is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this report relates is available only to relevant persons and will be engaged in only with relevant persons.

Additional disclosure only for Canadian persons: This report is not, and under no circumstances is to be construed as, an advertisement or a public offering of the securities described herein in Canada or any province or territory thereof. Under no circumstances is this report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the registration requirement in the relevant province or territory of Canada in which such offer or sale is made. This report is not, and under no circumstances is it to be construed as, a prospectus or an offering memorandum. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon these materials, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. If you are located in Canada, this report has been made available to you based on your representation that you are an "accredited investor" as such term is defined in National Instrument 45-106 Prospectus Exemptions and a "permitted client" as such term is defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Under no circumstances is the information contained herein to be construed as investment advice in any province or territory of Canada nor should it be construed as being tailored to the needs of the recipient. Canadian recipients are advised that JM Financial Securities, Inc., JM Financial Institutional Securities Limited, their affiliates and authorized agents are not responsible for, nor do they accept, any liability whatsoever for any direct or consequential lo