

Growth outlook healthy; NIM guidance maintained

Estimate RoA to sustain at >1% over FY26-28

We met with the top management of State Bank of India (SBIN), represented by the Chairman, Shri. CS Setty; Shri. Anindya Paul, DMD Finance, and Shri. Ravi Shankar Akella, CGM Finance, to discuss the bank's business growth, profitability outlook, and other key focus areas. The following are the key takeaways from the discussion:

Well-positioned to deliver a 13-14% loan growth led by the RAM segments

Management indicated that the bank is well poised to sustain 13-14% YoY growth (12% growth in FY25 and current systemic growth at 11.5%) despite the absence of a broad-based corporate capex cycle. As of 2QFY26, the bank has delivered 13.1% YoY advance growth, indicating that the full-year guidance remains achievable. Management highlighted that SBIN's growth has been driven by the RAM segments, pick-up in personal loans, and selective utilization of working capital limits rather than large-ticket project loan disbursements, as the corporate capex cycle has remained muted. With continued thrust in Retail, Agri, and MSME segments, the management expects to deliver industry-leading growth over FY26E (corporate loan growth was modest at 7% YoY in 2QFY26). We currently estimate a loan CAGR of 12.4% over FY26-28.

Growth to be driven by the RAM segments and a consumption-led revival

The RAM portfolio continues to be the primary growth engine, now crossing INR25t and accounting for 56.6% of domestic advances. The retail portfolio grew 14.1% YoY, with personal loans expected to see a visible revival. SBI is already the largest unsecured personal loan provider, with a book of nearly INR3.5t, supported by the addition of ~0.42m new salary accounts in FY26'YTD. On the corporate front, lending remains highly selective (2QFY26 growth at 7.1% YoY/3% QoQ), focused on structurally relevant themes such as renewables, EVs, and technology-linked mobility solutions, rather than traditional heavy capex. While headline capex remains absent, consumption-led sectors, especially autos, have shown traction over the last two quarters. Fiscal measures, along with regulatory stability, have created a healthy demand environment, leading to resilient consumption, which supports working capital demand.

NIM to remain resilient, supported by CRR cuts; 4QFY26 NIM guidance maintained at >3% despite a 25bp repo cut

SBI's domestic NIM improved QoQ to ~3.09% in 2Q, aided by deposit repricing and the recent CRR cuts. The aggregate NIM stood at ~2.97%. Management reiterated that FY26-exit NIM guidance will remain unchanged at >3%, unless the RBI delivers additional rate cuts. The rate cut of ~25bp in Dec'25 would effectively influence yields for <30 days, thus limiting the margin impact. This can be cushioned against with the benefits accrued from the CRR cut.

SBI's structural advantages, i.e., a large low-cost CASA base (~INR21t), pricing discipline, and diversified loan mix, provide comfort that margins can remain resilient even in a softer rate environment. We expect calculated NIM to be 2.8% in FY26 vs. 2.9% in FY25. We also estimate the calibrated improvement to be 2.9-3.0% over FY27-28. This will enable ~14% CAGR in NII over FY26-28E.

State Bank of India



Shri. Challa Sreenivasulu Setty
Chairman, SBI

Shri C. S. Setty took charge as Chairman of State Bank of India on 28th Aug'24. Previously, he was on the Board of SBI as the MD and headed the Retail & Digital Banking vertical. He has held key assignments in the bank in Stressed Assets Management, Corporate Banking, Mid-Corporate Banking, Global markets, Technology, etc. He has completed his Bachelor of Science in Agriculture and he is also a CAIIB.

Calibrated deposit repricing with the RBI, ensuring smooth liquidity transition

SBIN's deposit growth has moderated to 9-10% YoY (in line with the industry growth), while the CASA ratio has remained healthy at ~39 to 40%, underscoring SBI's strong liability positioning. Management indicated that aggressive deposit rate cuts are unlikely, given a pickup in credit demand and elevated competition for deposits. However, calibrated rate reductions across select tenors are expected. However, maintenance of positive systemic liquidity is essential for a smooth transmission of the rate cut cycle. SBI, with total deposits of ~INR56t and a domestic CD ratio still below 70%, is structurally better placed than peers to manage this transition without any major repercussions on its growth or margins. We estimate deposit CAGR to trail loan CAGR at ~10.3% over FY26-28.

Asset quality remains structurally strong, with credit costs well in control

Asset quality continues to remain a key strength for SBI. The bank reported a GNPA of ~1.73% and an NNPA of ~0.42%, with a PCR of 75.8% (92.3% including AUCA and a corporate PCR of 98.68%). Credit cost for 2QFY26 stood at a benign level of ~39bp, reflecting disciplined underwriting and steady recoveries. We expect credit cost to remain benign at 40-50bp over FY26-28E as well. Management expressed confidence that asset quality metrics are structurally under control, supported by strong borrower balance sheets, granular retail exposure, and conservative corporate lending. Importantly, improved digital monitoring and early-warning systems are enabling faster identification and resolution of stress, reducing downside risks as growth scales up. We estimate the GNPA/NNPA ratio to be 1.6%/0.4% for FY26E and 1.5%/0.4% for FY27, supported by a controlled slippage rate at ~0.6% over the coming years.

Digital flywheel driving productivity gains and stable profitability

Digital transformation is increasingly acting as a profitability lever rather than a cost line. 98.6% of transactions are conducted through alternate channels, with YONO hosting over 93m registered users. Nearly 64% of new savings accounts are opened digitally, materially reducing acquisition and servicing costs. For instance, the bank's balance sheet has grown 69% over the past five years, while the employee count has, in fact, reduced 5% over the same period. This indicates operating leverage and productivity gains at play, along with digital at the core. The digital flywheel aids faster credit decisions, sharper underwriting, and better monitoring, especially in retail and MSME, helping SBI sustain an RoA of ~1.15% in 1HFY26 despite its scale. The bank sees digital-led operating leverage as a key enabler of stable returns over the medium term. We estimate SBIN's RoA/RoE to sustain at a healthy level of 1.1%/15.5-17.0% over FY26-28.

Subsidiary value unlocking; further upside potential from the strong listing of the AMC business

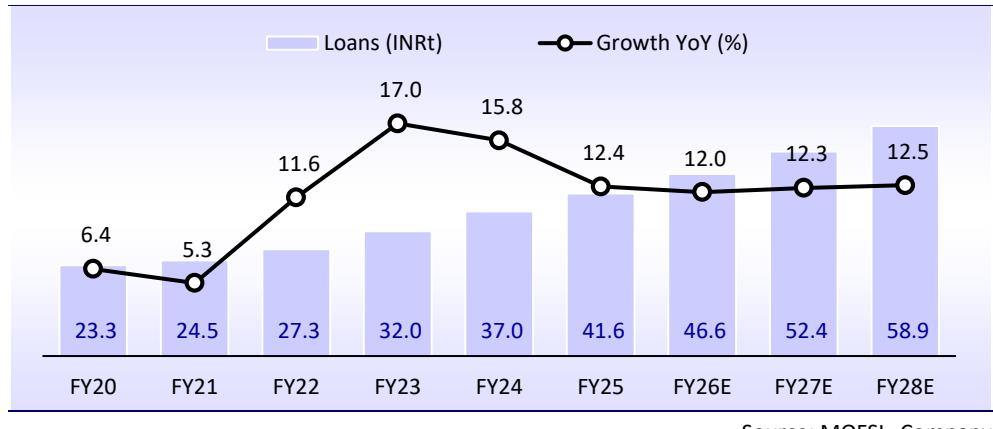
SBI's subsidiaries represent a core pillar of value within the group's valuation framework, combining scale, profitability, and deep franchise strength across insurance, asset management, and payments. With improving profitability, scale, and market depth, subsidiaries are well-positioned for a favorable market reception. In particular, the outlook for AMC valuations appears positive, supported by rising financialization of savings and growing domestic investor participation. As equity markets deepen, SBI believes subsidiary valuations could see further re-rating, strengthening the group's valuation framework and providing incremental optionality to shareholders over time. Subsidiaries continue to make a significant contribution to the SBI's valuation. We estimate the subsidiary valuation at INR293, representing a 27% share of the overall target price.

Valuation and view: RoE to be sustained at 15-16% over FY27-28E; reiterate BUY with a TP of INR1,100

SBIN has delivered a strong performance over recent years, supported by steady business and revenue growth alongside well-contained credit costs. The bank remains confident of outpacing industry loan growth, guiding for 13-14% growth in FY26, led primarily by the RAM segment. Margins have largely bottomed out, and the NIM outlook remains unchanged at >3%, unless RBI delivers additional rate cuts. The rate cut of 25bp in Dec'25 would influence yields only for 30 days, thus limiting the NIM impact. This can be cushioned against the benefits from the CRR cuts. Asset quality remains healthy, with tight control on the restructured book. We expect credit costs to remain benign at 40-50bp over FY26-28, supporting a ~10% earnings CAGR over the same period. Accordingly, we estimate SBIN to deliver an RoA/RoE of 1.1%/15.5% in FY27 and 1.1%/15.4% in FY28. **SBIN remains our preferred BUY in the sector with a TP of INR1,100 (premised on 1.3x Sep'27E ABV for the standalone bank + INR293 for subsidiaries).**

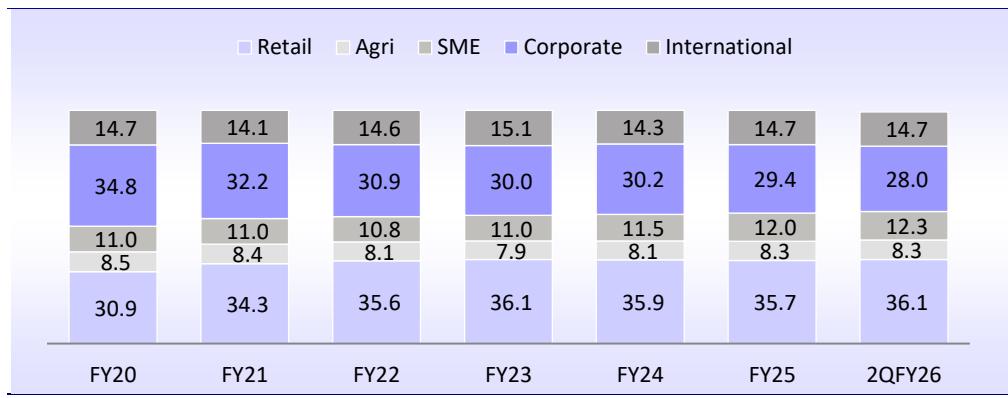
Story in charts

Exhibit 1: Estimate ~12.5% loan CAGR over FY26-28



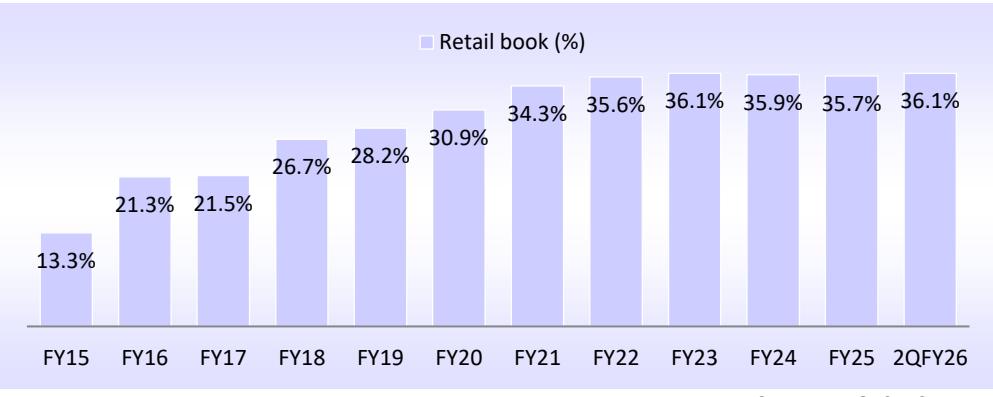
Source: MOFSL, Company

Exhibit 2: Loan mix (%) – Retail stood at 36.1% as of 2QFY26, whereas the Corporate book stood at 28%



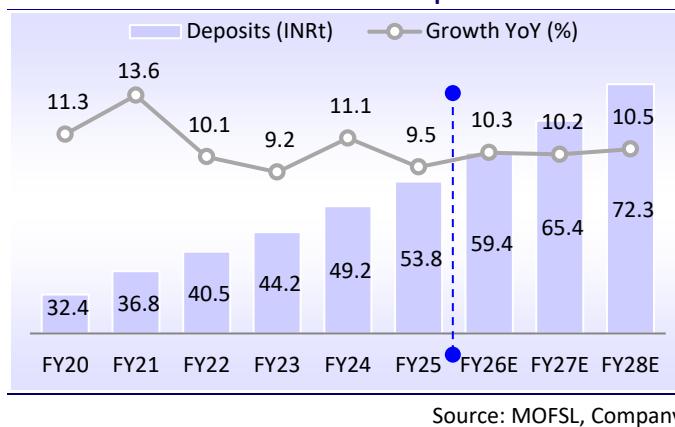
Source: MOFSL, Company

Exhibit 3: SBIN's retail mix has increased from 13% to 36% over the past 10 years

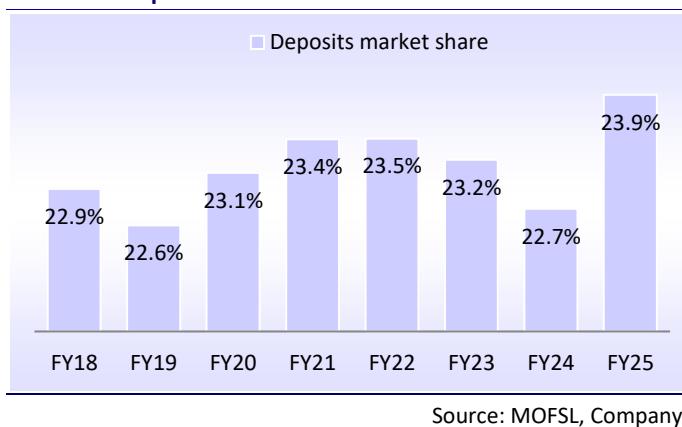


Source: MOFSL, Company

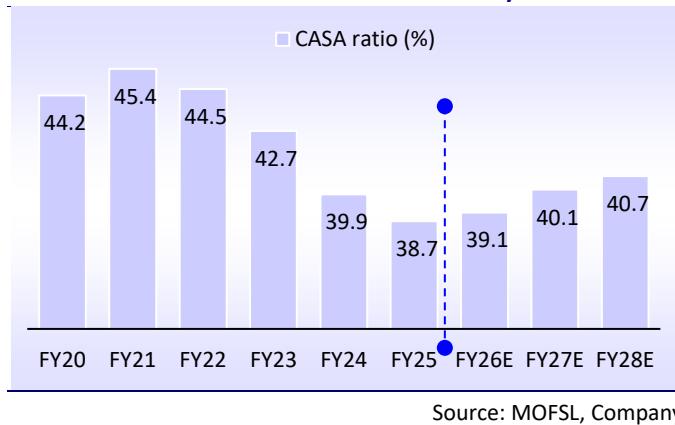
SBIN's retail book accounted for 36.1% of the total loan book in 2QFY26, implying that the loan book is gaining size with granularity

Exhibit 4: Estimate ~10.3% CAGR in deposits over FY26-28


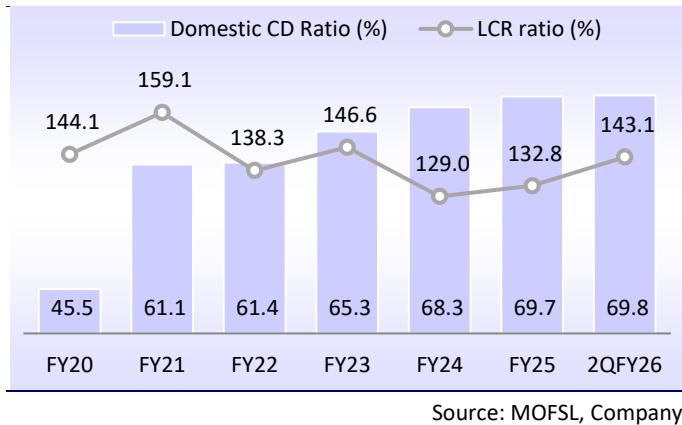
Source: MOFSL, Company

Exhibit 5: Deposit market share stood at ~24% in FY25


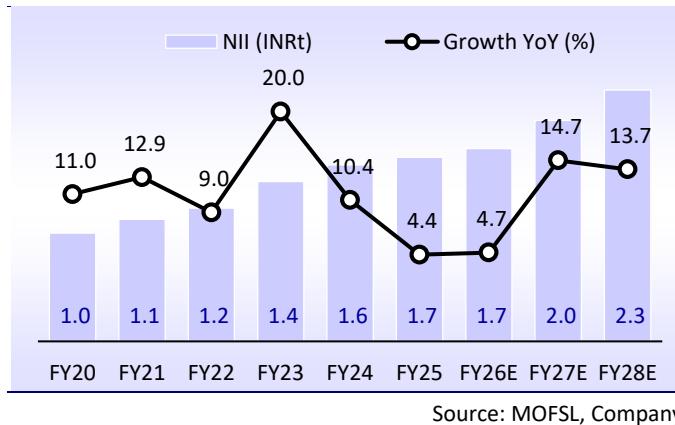
Source: MOFSL, Company

Exhibit 6: CASA ratio to remain at ~39-40% by FY26-28E


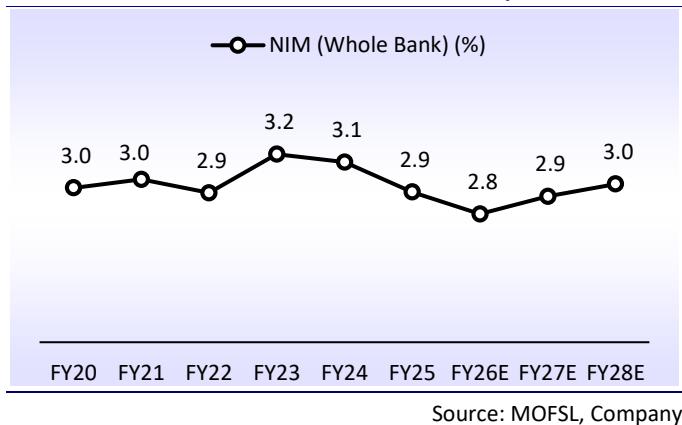
Source: MOFSL, Company

Exhibit 7: Domestic CD ratio comfortable at 69.8%


Source: MOFSL, Company

Exhibit 8: Estimate 14% CAGR in NII over FY26-28


Source: MOFSL, Company

Exhibit 9: Estimate NIM to recover over FY27/FY28


Source: MOFSL, Company

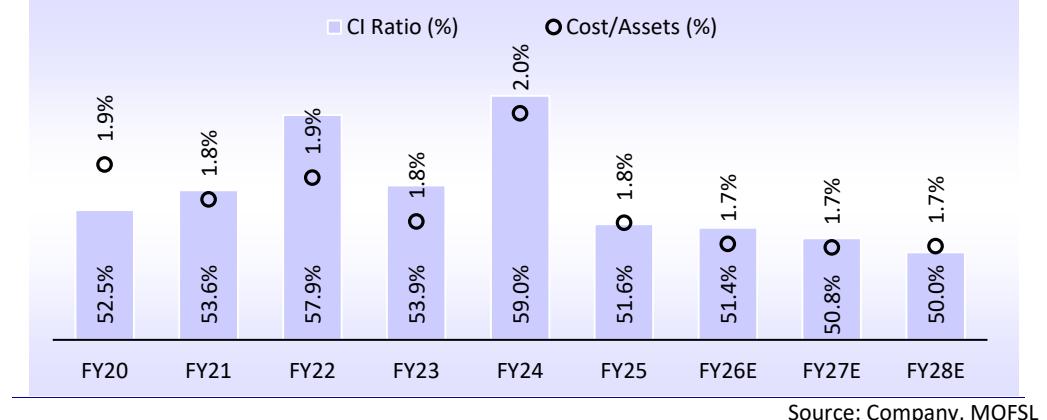
Exhibit 10: 31% of SBIN's book linked to MCLR, and 46% linked to repo as of 2QFY26 (%)

Loans Mix (%) - 2QFY26	MCLR	EBLR	Repo-linked	Others (Fixed, base rate, foreign currency-floating)
AUBANK	30		5	65
AXSB	8	3	60	29
CBK	45		46	9
FB	8		49	43
HDFCB*	25		45	30
ICICIBC	14		55	31
INBK	48		41	11
KMB#		60		40
PNB	27	11	50	13
RBL	5		47	48
SBIN	31		46	23
BOB	36		35	29

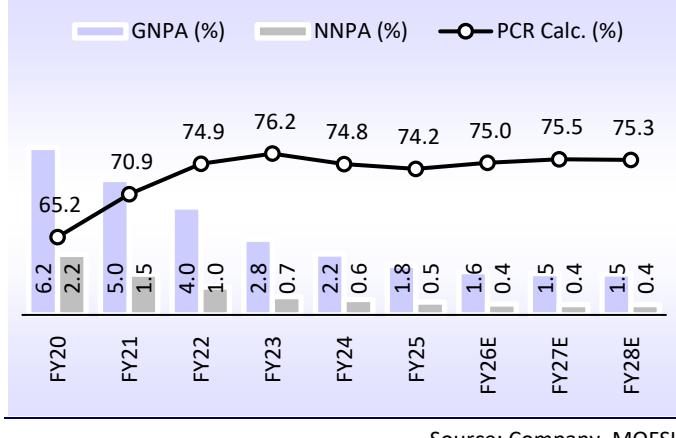
*As of 3QFY25 # as of 1QFY26; Source: MOFSL, Company

Exhibit 11: SBIN's cost-to-asset remains lower than peers; C/I ratio to dip to ~50% by FY28E

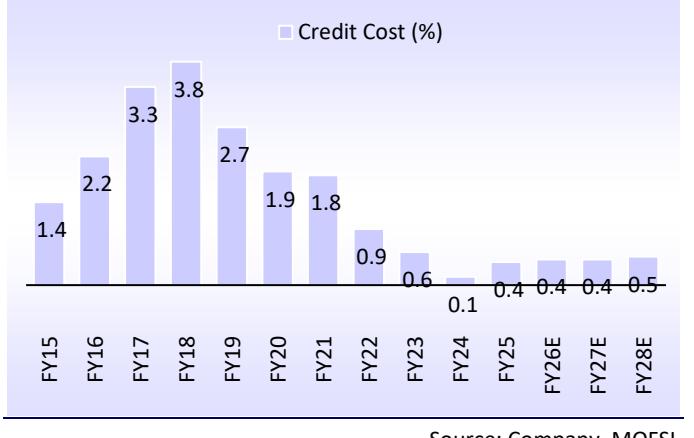
Contained opex growth to enable a decline in the C/I ratio to 50% by FY28E, while the cost-to-asset ratio remains stable at 1.7%



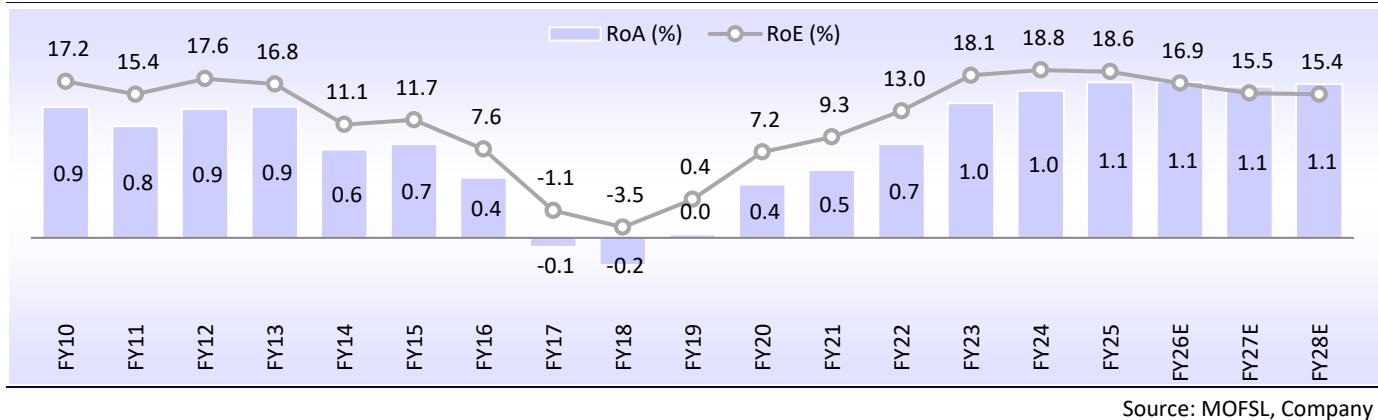
Source: Company, MOFSL

Exhibit 12: GNPA/NNPA to remain contained at 1.5%/0.4% by FY28E


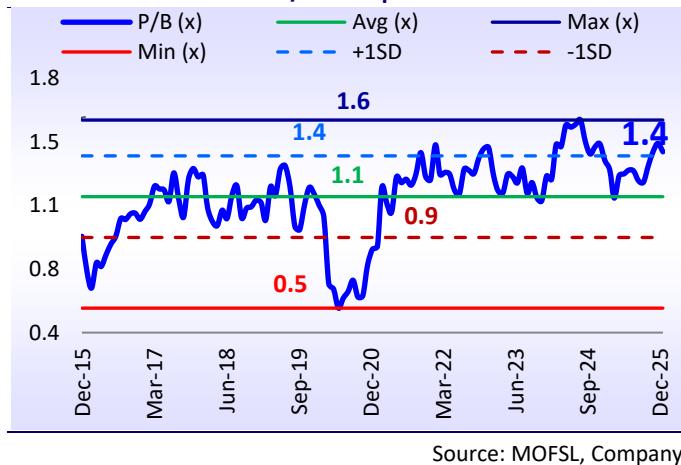
Source: Company, MOFSL

Exhibit 13: Credit costs likely to remain controlled at ~40-50bp


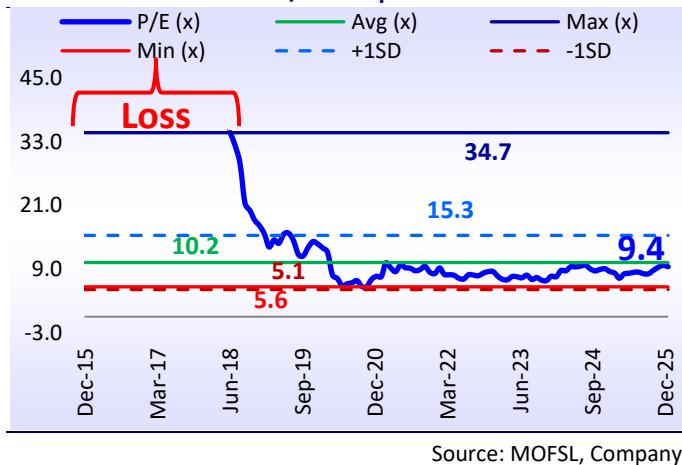
Source: Company, MOFSL

Exhibit 14: We estimate an RoA/RoE of ~1.1%/15.4% by FY28


Source: MOFSL, Company

Exhibit 15: Trend in the P/B multiple of the bank


Source: MOFSL, Company

Exhibit 16: Trend in the P/E multiple of the bank


Source: MOFSL, Company

Financials and valuations

Income Statement	(INRb)						
Y/E March	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E
Interest Income	2,754.6	3,321.0	4,151.3	4,624.9	4,884.4	5,316.3	5,931.6
Interest Expense	1,547.5	1,872.6	2,552.5	2,955.2	3,137.0	3,312.1	3,652.3
Net Interest Income	1,207.1	1,448.4	1,598.8	1,669.7	1,747.4	2,004.3	2,279.3
- Growth (%)	9.0	20.0	10.4	4.4	4.7	14.7	13.7
Non-Interest Income	405.6	366.2	516.8	616.8	703.2	717.3	781.8
Total Income	1,612.7	1,814.6	2,115.6	2,286.5	2,450.6	2,721.5	3,061.1
- Growth (%)	4.6	12.5	16.6	8.1	7.2	11.1	12.5
Operating Expenses	934.0	977.4	1,248.6	1,180.7	1,260.8	1,383.5	1,531.7
Pre-Provision Profits	678.7	837.1	867.0	1,105.8	1,189.8	1,338.1	1,529.4
- Growth (%)	-5.1	23.3	3.6	27.5	7.6	12.5	14.3
Core Provision Profits	646.5	850.7	748.6	1,001.9	1,065.1	1,188.4	1,349.8
- Growth (%)	-1.3	31.6	-12.0	33.8	6.3	11.6	13.6
Provisions (excl tax)	244.5	165.1	49.1	153.1	205.0	230.1	286.7
Exceptional Items (Exp)	0.0	NA	0.0	NA	45.9	NA	NA
PBT	434.2	672.1	817.8	952.7	1,030.7	1,108.0	1,242.7
Tax	117.5	169.7	207.1	243.7	256.7	280.3	314.4
Tax Rate (%)	27.1	25.3	25.3	25.6	24.9	25.3	25.3
PAT	316.8	502.3	610.8	709.0	774.1	827.7	928.3
- Growth (%)	55.2	58.6	21.6	16.1	9.2	6.9	12.2
Adj. PAT	317	502	611	709	740.2	827.7	928.3
- Growth (%)	55.2	58.6	21.6	16.1	4.4	11.8	12.2
Equity Dividend (Incl tax)	63.4	100.8	122.3	141.9	163.4	166.2	166.2
Cons. PAT post MI	353.7	556.5	670.9	775.6	867.3	958.2	1,111.1
- Growth (%)	57.9	57.3	20.6	15.6	11.8	10.5	16.0

Balance Sheet							
Y/E March	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E
Share Capital	9	9	9	9	9	9	9
Reserves & Surplus	2,792	3,267	3,764	4,403	5,266	5,928	6,690
Net Worth	2,801	3,276	3,772	4,412	5,275	5,937	6,699
Deposits	40,515	44,238	49,161	53,822	59,366	65,421	72,290
- Growth (%)	10.1	9.2	11.1	9.5	10.3	10.2	10.5
of which CASA Dep	18,036	18,874	19,614	20,839	23,212	26,234	29,422
- Growth (%)	7.9	4.7	3.9	6.2	11.4	13.0	12.2
Borrowings	4,260	4,931	5,976	5,636	5,589	6,154	6,789
Other Liab. & Prov.	2,299	2,725	2,888	2,891	3,065	3,279	3,509
Total Liabilities	49,876	55,170	61,797	66,761	73,295	80,791	89,286
Current Assets	3,946	3,079	3,108	3,402	3,534	3,739	4,036
Investments	14,814	15,704	16,713	16,906	17,920	19,067	20,306
- Growth (%)	9.6	6.0	6.4	1.2	6.0	6.4	6.5
Loans	27,340	31,993	37,040	41,633	46,629	52,364	58,910
- Growth (%)	11.6	17.0	15.8	12.4	12.0	12.3	12.5
Fixed Assets	377	424	426	441	460	480	501
Other Assets	3,399	3,971	4,510	4,378	4,752	5,140	5,533
Total Assets	49,876	55,170	61,797	66,761	73,295	80,791	89,286

Asset Quality							
	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E
GNPA (INR b)	1,120	909	843	769	750	805	901
NNPA (INR b)	280	215	211	197	188	197	222
Slippages (INR m)	250	184	203	208	243	302	362
GNPA Ratio (%)	3.98	2.78	2.2	1.8	1.6	1.5	1.5
NNPA Ratio (%)	1.02	0.67	0.6	0.5	0.4	0.4	0.4
Slippage Ratio (%)	1.0	0.6	0.6	0.5	0.6	0.6	0.7
Credit Cost (%)	0.9	0.6	0.1	0.4	0.4	0.4	0.5
PCR (Excl Tech. W/O)	74.9	76.2	74.8	74.2	75.0	75.5	75.3

E: MOFSL Estimates

Financials and valuations

Ratios	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E
Y/E March	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E
Yield and Cost Ratios (%)							
Avg. Yield-Earning Assets	6.7	7.2	8.1	8.1	7.8	7.7	7.7
Avg. Yield on loans	6.6	7.5	8.4	8.4	8.1	7.9	8.0
Avg. Yield on Investments	6.1	6.4	6.8	7.0	6.9	6.8	6.7
Avg. Cost-Int. Bear. Liab.	3.6	4.0	4.9	5.2	5.0	4.9	4.8
Avg. Cost of Deposits	3.7	3.8	4.7	5.0	4.8	4.7	4.7
Interest Spread	3.0	3.2	3.2	2.9	2.7	2.8	2.9
Net Interest Margin	2.9	3.2	3.1	2.9	2.8	2.9	3.0
Capitalization Ratios (%)							
CAR	13.8	14.7	14.3	14.3	15.0	14.9	14.8
Tier I	11.4	12.1	11.9	12.1	12.8	13.0	13.0
-CET-1	9.9	10.3	10.4	10.8	12.1	12.2	12.2
Tier II	2.4	2.6	2.4	2.2	2.2	2.0	1.8
Business Ratios (%)							
Loans/Deposit Ratio	67.5	72.3	75.3	77.4	78.5	80.0	81.5
CASA Ratio	44.5	42.7	39.9	38.7	39.1	40.1	40.7
Cost/Assets	1.9	1.8	2.0	1.8	1.7	1.7	1.7
Cost/Total Income	57.9	53.9	59.0	51.6	51.4	50.8	50.0
Cost/Core Income	59.1	53.5	62.5	54.1	54.2	53.8	53.2
Int. Expense./Int. Income	56.2	56.4	61.5	63.9	64.2	62.3	61.6
Fee Income/Total Income	23.2	20.9	18.8	22.4	23.6	20.9	19.7
Non Int. Inc./Total Income	25.2	20.2	24.4	27.0	28.7	26.4	25.5
Empl. Cost/Total Expense	61.6	58.6	62.7	54.5	54.9	54.5	54.2
Efficiency Ratios (INRm)							
Employee per branch (in nos)	10.9	10.4	10.2	10.2	10.0	9.7	9.5
Staff cost per employee	2.4	2.4	3.4	2.7	2.9	3.1	3.3
CASA per branch	810.0	842.4	870.1	908.5	963.8	1,037.4	1,108.1
Deposits per branch	1,819.6	1,974.5	2,180.9	2,346.5	2,465.0	2,587.0	2,722.5
Business per Employee	277.8	323.2	371.1	404.1	439.4	478.4	522.2
Net profit per Employee	13.0	21.3	26.3	30.0	32.1	33.6	37.0
Profitability Ratios and Valuation							
RoE	13.0	18.1	18.8	18.6	16.9	15.5	15.4
RoA	0.7	1.0	1.0	1.1	1.1	1.1	1.1
RoRWA	1.2	1.7	1.8	1.8	1.7	1.6	1.6
Consolidated RoE	11.8	16.2	16.7	16.6	16.3	15.8	15.7
Consolidated RoA	0.7	1.0	1.1	1.1	1.1	1.1	1.1
Book Value (INR)	299	350	406	477	555	627	709
- Growth (%)	10.9	16.9	15.9	17.7	16.3	12.9	13.2
Price-BV (x)	2.3	2.0	1.7	1.4	1.2	1.1	1.0
Consol BV (INR)	328	385	448	529	611	714	834
- Growth (%)	11.5	17.4	16.3	18.1	15.5	16.9	16.9
Price-Consol BV (x)	3.0	2.5	2.2	1.8	1.6	1.4	1.2
Adjusted BV (INR)	256	311	365.4	437.2	518.2	590.2	672.0
Price-ABV (x)	2.7	2.2	1.9	1.6	1.3	1.2	1.0
EPS (INR)	35.5	56.3	68.4	79.4	85.3	89.7	100.6
- Growth (%)	55.2	58.6	21.6	16.1	7.3	5.2	12.2
Price-Earnings (x)	19.3	12.1	10.0	8.6	8.0	7.6	6.8
Consol EPS (INR)	39.6	62.4	75.2	86.9	95.5	103.8	120.4
- Growth (%)	57.9	57.3	20.6	15.6	9.9	8.7	16.0
Price-Consol EPS (x)	24.6	15.7	13.0	11.2	10.2	9.4	8.1
Dividend Per Share (INR)	7.1	11.3	13.7	15.9	17.7	18.0	18.0
Dividend Yield (%)	0.7	1.2	1.4	1.6	1.8	1.8	1.8

E: MOFSL Estimates

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

Explanation of Investment Rating	
Investment Rating	Expected return (over 12-month)
BUY	>=15%
SELL	< - 10%
NEUTRAL	< - 10 % to 15%
UNDER REVIEW	Rating may undergo a change
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

Disclosures

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations). Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at <http://onlinereports.motilaloswal.com/Dormant/documents>List%20of%20Associate%20companies.pdf> MOFSL 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 MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL 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. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at <https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx>

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

Regional Disclosures (outside India)

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 MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- 1 MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/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 or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- 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 MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 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)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

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.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for 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 MOFSL. 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 warranty, 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. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient 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. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. 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. This may not be taken in substitution for the exercise of independent judgment by any recipient. 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 its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. 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. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alterations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. 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 MOFSL 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 certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-71881085.

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; Research Analyst: INH000000412. AMFI: ARN.: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products. Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrivances@motilaloswal.com.