## **Axis Bank**

**BSE SENSEX** 

59,411

**S&P CNX** 17,451

Motilal Oswal

# 

### Stock Info

Bloomberg	AXSB IN
Equity Shares (m)	3075
M.Cap.(INRb)/(USDb)	2661.6 / 32.3
52-Week Range (INR)	970 / 618
1, 6, 12 Rel. Per (%)	2/17/13
12M Avg Val (INR M)	7824
Free float (%)	92.0

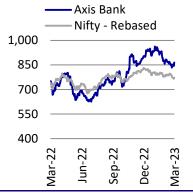
### Financials Snapshot (INR b)

Y/E March	FY23E	FY24E	FY25E
NII	443.4	521.1	606.5
OP	334.9	398.0	480.9
NP	101.6	259.6	305.3
NIM (%)	3.8	3.9	4.0
EPS (INR)	33.1	82.7	95.1
EPS Gr. (%)	-22.1	149.7	15.0
BV/Sh. (INR)	402	496	583
ABV/Sh. (INR)	385	479	565
Ratios			
RoE (%)	8.5	18.4	17.6
RoA (%)	0.8	1.8	1.9
Valuations			
P/E(X)	23.3	9.3	8.1
P/BV (X)	1.9	1.6	1.3
P/ABV (X)	2.0	1.6	1.4

### Shareholding pattern (%)

As On	Dec-22	Sep-22	Dec-21		
Promoter	8.0	9.5	9.5		
DII	30.7	31.6	29.6		
FII	50.8	47.2	48.6		
Others 10.6 11.7 12.4					
FII Includes depository receipts					

### Stock performance (one-year)



## CMP: INR865 TP: INR1,130 (+31%)

Buy

## **Completes acquisition of Citi India's consumer business**

Deal EPS/RoE accretive in CY24; card/wealth portfolios strengthen

- AXSB has completed the acquisition of Citibank India's consumer banking business for a cash consideration of ~INR116b. The deal includes the credit card, wealth and retail banking operations of both Citibank India and Citicorp Finance.
- It has acquired loans/deposits worth INR273b/INR399b, including the credit card book of INR86b. AXSB's credit card book has increased by 42% to INR292b. Wealth management AUM has risen ~33% to INR3.8t, making it the third largest player by combined AUM.
- AXSB has added ~2.4m unique customers, complemented by Citibank's affluent customer segment, and gained access to 21 branches and 459 ATMs. It has retained 3,200 Citibank employees.
- While the overall synergies in terms of cost savings will start to accrue from CY24, the bank will take a one-time hit in its 4QFY23 P&L related to 1) charge-off of Goodwill and other intangibles, 2) policy harmonization cost, and 3) implementation expenses. Thus, the CET I ratio is likely to moderate by ~177bp to ~13.8%.
- In the long term, the deal's success would depend on how well AXSB is able to crosssell its entire bouquet of banking products to Citi customers and gain from Citi's well recognized digital and operation processes.
- Factoring in the one-time charge-off and other costs and profitability, we estimate RoA/RoE of 1.9%/17.6% by FY25. We have a Buy rating on AXSB with a TP of INR1,130 (2.0x Sep'24E P/ABV for the standalone bank).

### AXSB completes acquisition of Citi's consumer business for INR116b

AXSB has completed the acquisition of Citibank India's consumer business, including its credit cards, deposits, wealth management, loans and other retail banking operations. It has also acquired the NBFC business of Citicorp Finance (India). The total consideration stands at ~INR116b (v/s INR123b earlier), along with the estimated equity requirement of INR32.9b, implying a P/E multiple of 17.7x on normalized earnings. The consideration is further subject to true-up or true-down in portfolio performance between 31st Jan'23 and 28th Feb'23. AXSB is likely to incur an integration cost of INR15b (net of tax over two years).

AXSB's credit card positioning strengthens; market share improves by 3% Citibank is the seventh largest player in the credit card business in India, with a card base of ~2.5m as of Jan'23. Over the past five years, outstanding cards saw a muted 0.2% CAGR (v/s 20% for the industry), while spends clocked a 1% CAGR (v/s 24% for the industry). Following the acquisition, AXSB's credit card book has increased by ~42% to INR292b. Outstanding cards have grown by ~19% to 11.2m. Its market share in outstanding cards/spends has increased 2.2%/3.6% to 13.8%/12.7%. Average spends per card stand at ~10%, indicating a higher value proposition and strengthening its presence in the overall market.

Nitin Aggarwal - Research Analyst (Nitin.Aggarwal@MotilalOswal.com) Yash Agarwal - Research Analyst (Yash.Agarwal@motilaloswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

### MOTILAL OSWAL

### Loans/deposits rise by 3.6%/4.7%; wealth AUM gets significant boost

The acquisition has increased AXSB's loans/deposit book by 3.6%/4.7% to INR7.9t/ INR8.9t. CASA deposits have increased by ~8% and the CASA ratio by ~150bp to ~46%. Retail loans have grown by 6.4%. As a result, the mix of Retail loans rises by ~150bp to 57.8% from 56.3%. Wealth AUM has increased by ~33% to INR3.8t, making it the third largest player by combined AUM in the wealth management space. AXSB has acquired ~2.4m unique customers, complemented by Citibank's affluent customer segment, creating product and branch footprint synergies. It has added 3,200 employees, 21 branches and 459 ATMs.

### Synergies to accrue from CY24; CET-I to be impacted by ~177bp

In recent months, growth in Retail loans has picked up for AXSB, particularly in unsecured products. AXSB has added ~1m cards since the announcement of acquisition and maintains a healthy monthly run rate of card additions. While the deal can be margin accretive for AXSB as the mix of Retail/Unsecured loans is likely to increase, overall synergies in terms of cost savings will start to accrue from CY24. Further, the bank will take a one-time hit in its 4QFY23 P&L related to 1) Charge-off of Goodwill and other intangibles, 2) policy harmonization costs, and 3) implementation expenses. As a result, the CET I ratio is likely to moderate by ~177bp to ~13.8%. However, the bank believes that it has sufficient capital even after the acquisition to fund organic growth and thus would take a call on capital raise at an appropriate time. We, nevertheless, have built in a capital raise of INR120b in FY24.

### Valuation and view

The acquisition of Citibank India's consumer business has added ~1.8m credit cards to AXSB's outstanding cards and increased its market share by 3%. While synergies in terms of cost savings and RoA accretion will start to accrue from CY24, the deal should result in a higher capital charge (to be done in 4QFY23) and high integration costs of INR15b to be absorbed over the next two years. In the long term, the deal's success would depend on how well AXSB is able to cross-sell its entire bouquet of banking products to Citi customers and gain from Citi's well recognized digital and operation processes. The CET I ratio is likely to moderate by ~177bp to ~13.8%. Factoring in the one-time charge-off and other costs and profitability, we estimate RoA/RoE of 1.9%/17.6% by FY25. We have a BUY rating on AXSB with a TP of INR1,130 (2.0x Sep'24E P/ABV for the standalone bank).

### Exhibit 1: AXSB acquires Citibank India's consumer business for INR116b

Deal contours	INR b
Purchase consideration	116.0
Estimated equity requirement (13% of RWA)	32.9
Total consideration	148.9
PAT	8.4
Implied P/E	17.7

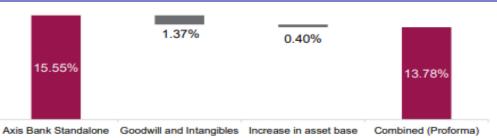
Source: MOFSL, Company

Deal corresponds to an implied P/E of 17.7x on CY20 normalized financials

Expect an integration cost of INR15b, to be incurred over two years

### MOTILAL OSWAL

### Exhibit 2: Impact on CET-I ratio; AXSB believes it is well capitalized for organic growth

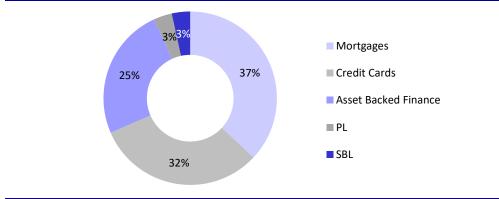


Source: MOFSL, Company

As of Dec'22 (INR b)	AXSB	Citibank	AXSB	Increase
AS OF DEC 22 (INK D)	pre-merger		post-merger	increase
CASA deposits	3,777	307	4,084	8.1%
Term deposits	4,705	92	4,796	2.0%
Total deposits	8,482	399	8,881	4.7%
CASA ratio	44.5%	77.0%	46.0%	146bp
Loan book				
Retail loans	4,293	273	4,566	6.4%
- Credit Cards	206	86	292	41.8%
- Mortgages	1,919	101	2,020	5.3%
- Other Retail	2,169	86	2,255	4.0%
Corporate loans	3,328	NA	3,328	0.0%
Total loans	7,621	273	7,894	3.6%
Retail loan mix	56.3%	100.0%	57.8%	151bp
Wealth AUM	2,838	947	3,785	33.4%
No. of cards	9.4	1.8	11.2	19.1%
Spends per card (INR K)	138	203	152	10.1%
Employees	87,575	3,200	90,775	3.7%
Branches	4,849	21	4,870	0.4%
ATMs	15,674	459	16,133	2.9%

Source: MOFSL, Company

## Exhibit 4: Loan mix for Citi India: Mortgages and credit cards constitute 37% and 32% respectively



Source: MOFSL, Company

AXSB's credit card book rises by ~42%, making it one

Retail loans up ~6% for

AXSB

of the top three players

Number of cards up 19% for AXSB; Spends/card up ~10%

Wealth AUM rises ~33%, making it the third largest by combined AUM in the wealth management space

### Axis Bank

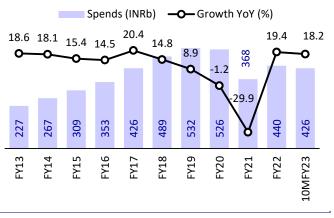
## Exhibit 5: Outstanding cards for Citibank flat over the past five years; ~2.5m as of Jan'23



Exhibit 7: Outstanding cards for AXSB saw 22% CAGR over FY17-22; ~9.6m as of Jan'22

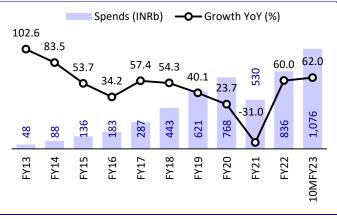


Exhibit 6: Spends for Citibank flat over FY17-22; up 18% YoY in 10MFY23



Source: MOFSL, RBI

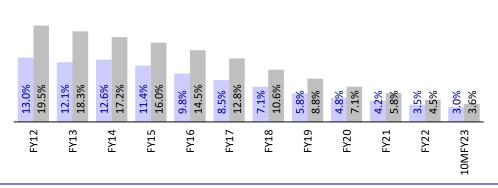
Exhibit 8: Spends for AXSB clock 24% CAGR over FY17-22; up 62% YoY in 10MFY23



Source: MOFSL, RBI

### Source: MOFSL, RBI

Exhibit 9: Citibank's market share in outstanding cards/total spends at 3.0%/3.6% in 10MFY23



Cards Mkt Share (%) Spends Mkt Share (%)

Source: MOFSL, RBI

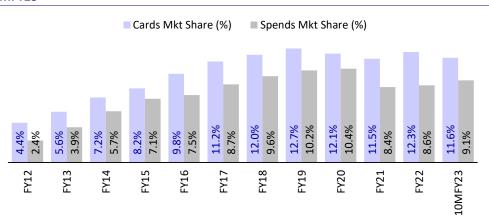


Exhibit 10: AXSB's market share in outstanding cards/total spends at 11.6%/9.1% in 10MFY23

Source: MOFSL, RBI

### Exhibit 11: AXSB's market share in outstanding cards/spends to increase by 2.2%/3.6%

	arket share (%) Outstanding cards Current Post Axis Citi merger		Total	spends
Market share (%)			Current	Post Axis Citi merger
HDFCB	20.9	20.9	28.0	28.0
SBICARD	19.7	19.7	18.2	18.2
ICICIBC	16.6	16.6	18.1	18.1
AXSB	11.6	13.8	9.1	12.7
КМВ	5.8	5.8	3.2	3.2
RBK	5.2	5.2	4.1	4.1
IIB	2.6	2.6	5.0	5.0
AMEX	1.6	1.6	2.7	2.7
SCB	1.3	1.3	1.0	1.0

Source: MOFSL, RBI

### Exhibit 12: Performance of cards portfolio from the date of announcement of acquisition

	Announc	ement of A	cquisition	Current		
	AXSB	Citi	Merged	AXSB	Citi	Merged
No of Cards (Nos.)	8.6	2.6	11.2	9.6	1.8	11.4
Spends (INRb)	742	396	1,138	1,073	425	1,499
Cards Market Share (%)	12.0%	3.6%	15.6%	11.6%	2.2%	13.8%
Spends Market Share (%)	8.6%	4.6%	13.1%	9.1%	3.6%	12.7%

Source: MOFSL, RBI

### Exhibit 13: Spends per card for Citibank is 1.1-1.4x higher than the industry, the same is lower for AXSB (INR k)

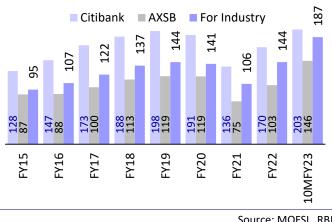


Exhibit 14: Spends per card across major players as of FY22; the same for Citibank remains the third highest



Source: MOFSL, RBI

Source: MOFSL, RBI

### Exhibit 15: DuPont Analysis: Return ratios to witness a gradual uptick

Y/E MARCH	, FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Interest Income	7.08	7.37	7.30	6.66	6.23	6.97	7.50	7.48
Interest Expense	4.20	4.46	4.36	3.59	3.17	3.42	3.82	3.76
Net Interest Income	2.88	2.91	2.94	3.07	3.06	3.56	3.68	3.72
Fee income	1.49	1.66	1.56	1.19	1.28	1.24	1.29	1.32
Trading and others	0.21	0.10	0.25	0.10	0.13	0.06	0.06	0.06
Non-Interest income	1.70	1.76	1.81	1.29	1.41	1.29	1.34	1.38
Total Income	4.58	4.67	4.75	4.36	4.47	4.85	5.03	5.10
Operating Expenses	2.16	2.12	2.02	1.93	2.18	2.17	2.21	2.15
Employee cost	0.67	0.64	0.62	0.65	0.70	0.70	0.72	0.70
Others	1.50	1.49	1.40	1.28	1.48	1.47	1.49	1.45
Operating Profit	2.41	2.55	2.73	2.43	2.29	2.69	2.81	2.95
Core Operating Profit	2.21	2.45	2.48	2.33	2.16	2.63	2.75	2.89
Provisions	2.39	1.61	2.16	1.51	0.68	0.31	0.36	0.45
NPA	2.57	1.37	1.49	1.15	0.48	0.26	0.32	0.41
Others	-0.17	0.24	0.67	0.35	0.20	0.05	0.04	0.04
РВТ	0.02	0.93	0.57	0.93	1.61	2.38	2.45	2.50
Тах	-0.02	0.31	0.38	0.23	0.40	0.96	0.62	0.63
RoA	0.04	0.63	0.19	0.69	1.20	0.82	1.83	1.87
Leverage (x)	10.8	11.5	11.3	10.2	10.0	10.5	10.0	9.4
RoE	0.5	7.2	2.1	7.1	12.0	8.5	18.4	17.6

## **Financials and valuations**

Income Statement								(INRb)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Interest Income	457.8	549.9	626.4	633.5	673.8	869.0	1,061.7	1,219.2
Interest Expense	271.6	332.8	374.3	341.1	342.4	425.6	540.6	612.7
Net Interest Income	186.2	217.1	252.1	292.4	331.3	443.4	521.1	606.5
Growth (%)	2.9	16.6	16.1	16.0	13.3	33.8	17.5	16.4
Non-Interest Income	109.7	131.3	155.4	122.6	152.2	161.3	190.4	224.6
Total Income	295.8	348.4	407.4	415.0	483.5	604.7	711.5	831.1
Growth (%)	(0.7)	17.8	16.9	1.9	16.5	25.1	17.7	16.8
Operating Expenses	139.9	158.3	173.0	183.8	236.1	269.9	313.5	350.2
Pre Provision Profits	155.9	190.1	234.4	231.3	247.4	334.9	398.0	480.9
Growth (%)	(11.3)	21.9	23.3	(1.3)	7.0	35.3	18.9	20.8
Core PPP	142.7	182.5	212.7	221.5	233.6	328.0	389.8	471.0
Growth (%)	0.3	27.9	16.5	4.2	5.5	40.4	18.8	20.8
Provisions (exc. tax)	154.7	120.3	185.3	143.2	73.6	38.6	51.0	72.8
PBT	1.2	69.7	49.0	88.1	173.8	296.3	347.0	408.1
Тах	(1.5)	23.0	32.8	22.2	43.6	74.7	87.5	102.8
Tax Rate (%)	(126.8)	32.9	66.8	25.2	25.1	25.2	25.2	25.2
PAT	2.8	46.8	16.3	65.9	130.3	221.6	259.6	305.3
Growth (%)	(92.5)	NM	(65.2)	304.9	97.7	70.2	17.1	17.6
Extraordinary expense	-	_	-	-	-	120.0	-	_
Reported PAT	2.8	46.8	16.3	65.9	130.3	101.6	259.6	305.3
Growth (%)	(92.5)	NM	(65.2)	304.9	97.7	(22.0)	155.4	17.6
	( )		()			· · · /		
Balance Sheet								
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Equity Share Capital	5.1	5.1	5.6	6.1	6.1	6.1	6.4	6.4
Reserves & Surplus	629.3	661.6	843.8	1,009.9	1,144.1	1,228.1	1,585.7	1,865.2
Net Worth	634.5	666.8	849.5	1,016.0	1,150.3	1,234.2	1,592.1	1,871.6
Deposits	4,536.2	5,484.7	6,401.0	6,979.9	8,217.2	9,306.5	10,702.4	12,414.8
Growth (%)	9.5	20.9	16.7	9.0	17.7	13.3	15.0	16.0
of which CASA Deposits	2,438.5	2,433.9	2,637.1	3,177.5	3,697.6	4,187.9	4,677.0	5,437.7
Growth (%)	14.5	-0.2	8.3	20.5	16.4	13.3	11.7	16.3
Borrowings	1,480.2	1,527.8	1,479.5	1,428.7	1,851.3	2,014.3	2,157.8	2,351.4
Other Liabilities & Prov.	262.5	330.7	421.6	443.4	531.5	611.2	696.8	801.3
Total Liabilities	6,913.3	8,010.0	9,151.6	9,868.0	11,750.3	13,166.3	15,149.1	17,439.1
Current Assets	434.5	672.0	972.7	617.3	1,109.9	861.9	848.8	847.6
Investments	1,538.8	1,749.7	1,567.3	2,261.2	2,756.0	3,114.2	3,674.8	4,262.8
Growth (%)	19.5	13.7	-10.4	44.3	21.9	13.0	18.0	16.0
Loans	4,396.5	4,948.0	5,714.2	6,144.0	7,077.0	8,340.7	9,675.3	11,320.0
Growth (%)	17.8	12.5	15.5	7.5	15.2	17.9	16.0	17.0
Fixed Assets	39.7	40.4	43.1	42.5	45.7	50.3	54.3	58.7
Other Assets	503.8	599.9	854.3	803.0	763.3	799.1	896.0	950.1
Total Assets	6,913.3	8,010.0	9,151.6	9,868.0	11,751.8	13,166.3	15,149.1	17,439.1
Asset Quality	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
GNPA	342.5	297.9	302.3	253.1	218.2	192.4	201.3	226.1
NNPA	165.9	112.8	93.6	70.6	56.1	38.5	40.0	42.2
GNPA Ratio	7.5	5.8	5.1	4.0	3.0	2.3	2.0	2.0
NNPA Ratio	3.8	2.3	1.6	1.1	0.8	0.5	0.4	0.4
Slippage Ratio	8.2	3.0	3.7	2.9	3.0	2.1	2.0	2.0
Credit Cost	4.1	2.2	2.4	1.8	0.8	0.4	0.5	0.6
PCR (Excl. Tech. write off)	51.6	62.1	69.0	72.1	74.3	80.0	80.1	81.3

## **Financials and valuations**

Hattos								
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Yield and Cost Ratios (%)								
Avg. Yield-Earning Assets	7.7	8.0	8.0	7.3	6.7	7.5	8.0	8.0
Avg. Yield on loans	8.4	8.8	9.1	8.0	7.5	8.4	8.9	8.7
Avg. Yield on Investments	7.2	7.0	6.9	6.7	5.9	6.4	6.9	7.1
Avg. Cost-Int. Bear. Liab.	4.8	5.1	5.0	4.2	3.7	4.0	4.5	4.4
Avg. Cost of Deposits	4.4	4.7	4.9	4.0	3.5	3.8	4.3	4.3
Avg. Cost of Borrowings	6.3	6.4	5.4	5.2	4.6	4.7	5.5	5.2
Interest Spread	2.9	2.9	3.0	3.1	3.0	3.5	3.5	3.5
Net Interest Margin	3.1	3.2	3.2	3.4	3.3	3.8	3.9	4.0
Capitalisation Ratios (%)					_			
CAR	16.6	15.9	17.6	19.2	18.5	16.7	17.4	16.7
Tier I	13.0	12.7	14.6	16.6	16.4	14.9	15.9	15.4
Tier II	3.5	3.2	3.0	2.6	2.1	1.8	1.5	1.3
Business and Efficiency Ratios (%)								
Loans/Deposit Ratio	96.9	90.2	89.3	88.0	86.1	89.6	90.4	91.2
CASA Ratio	53.8	44.4	41.2	45.5	45.0	45.0	43.7	43.8
Cost/Avg. Assets	2.2	2.1	2.0	1.9	2.2	2.2	2.2	2.1
Cost/Total Income	47.3	45.4	42.5	44.3	48.8	44.6	44.1	42.1
Cost/Core Income	49.5	46.5	44.9	45.3	50.3	45.1	44.6	42.6
Int. Expense/Int. Income	59.3	60.5	59.8	53.8	50.8	49.0	50.9	50.3
Fee Income/Total Income	27.8	31.2	28.9	23.4	24.7	21.5	21.6	21.9
Non Int. Inc./Total Income	37.1	37.7	38.1	29.5	31.5	26.7	26.8	27.0
Investment/Deposit Ratio	33.9	31.9	24.5	32.4	33.5	33.5	34.3	34.3
Profitability Ratios and Valuation								
RoE	0.5	7.2	2.1	7.1	12.0	8.5	18.4	17.6
RoA	0.0	0.6	0.2	0.7	1.2	0.8	1.8	1.9
RoRWA	0.1	0.8	0.3	1.0	1.7	1.2	2.5	2.4
Book Value (INR)	247.2	259.3	301.1	331.6	375.2	402.1	495.9	582.9
Growth (%)	6.2	4.9	16.1	10.2	13.1	7.2	23.3	17.6
Price-BV (x)	3.1	3.0	2.6	2.3	2.1	1.9	1.6	1.3
Adjusted BV (INR)	193.8	219.7	269.7	308.0	354.1	384.9	478.7	564.9
Price-ABV (x)	4.0	3.5	2.9	2.5	2.2	2.0	1.6	1.4
EPS (INR)	1.1	18.2	6.0	22.4	42.5	33.1	82.7	95.1
Growth (%)	-92.8	1,538.1	-66.9	271.0	89.7	-22.1	149.7	15.0
Price-Earnings (x)	694.1	42.4	127.8	34.5	18.2	23.3	9.3	8.1
0-17								

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 <u>www.nseindia.com</u>, <u>www.bseindia.com</u>. 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 brokerdealer, 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

- 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.
- MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 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 Research Analyst has not served as director/officer/employee in the subject company
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months 6
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months 8
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 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 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. 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 alternations 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; <u>www.motilaloswal.com</u>. 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: <u>na@motilaloswal.com</u>, 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 dpgrievances@motilaloswal.com.