Buy



Union Bank of India

 BSE SENSEX
 S&P CNX

 57,145
 17,016

CMP: INR42 TP: INR50 (+18%)



Stock Info

Bloomberg	UNBK IN
Equity Shares (m)	6,835
M.Cap.(INRb)/(USDb)	289.8 / 3.6
52-Week Range (INR)	55 / 34
1, 6, 12 Rel. Per (%)	2/11/28
12M Avg Val (INR M)	605
Free float (%)	16.5

Financials Snapshot (INR b)

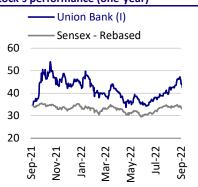
Y/E March	FY22	FY23E	FY24E
NII	277.9	312.2	354.8
OP	218.7	223.2	260.6
NP	52.3	62.6	89.4
NIM (%)	2.6	2.7	2.8
EPS (INR)	7.9	9.2	13.1
EPS Gr (%)	74.2	15.9	42.9
ABV (INR)	99.4	105.6	113.7
Con. BV (INR)	71.7	83.2	92.5
Ratios			
RoE (%)	8.3	9.2	12.3
RoA (%)	0.5	0.5	0.7
Valuations			
P/E (x)	5.4	4.6	3.2
P/BV (x)	0.4	0.4	0.4
P/ABV (x)	0.6	0.5	0.5

Shareholding pattern (%)

As On	Jun-22	Mar-22	Jun-21
Promoter	83.5	83.5	83.5
DII	6.9	7.1	6.8
FII	1.1	1.2	1.7
Others	8.5	8.3	8.0

FII Includes depository receipts

Stock's performance (one-year)



Improvement in asset quality on track

Aims to pare down GNPA/NNPA ratio to less than 9%/2.9% by FY23

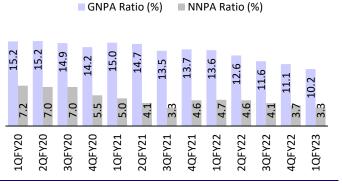
We attended UNBK's thematic investor day on asset quality. The MD and CEO, Executive Directors, and other top management highlighted the various initiatives undertaken by the bank to: a) improve the underwriting standards, b) increased focus on speedy and timely resolution of stressed assets, c) better monitoring of the SMA book, and, d) higher focus on recoveries, with a target to pare down the GNPA/NNPA ratio to less than 9%/2.9% by FY23. Following are the key takeaways from the meet:

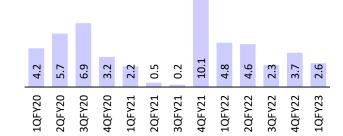
- The bank has segregated and shifted the loan portfolio to dedicated verticals, which focusses on marketing and general servicing.
- UNBK has opened 250 Retail loan points, 125 MSME loan points (loans up to INR500m), mid-Corporate branches (disseminating loans in the INR500m-INR2.5b range), and 13 large Corporate branches (disseminating loans of over INR2.5b) to primarily focus on specific loan segments.
- Stressed loans worth INR2m and above goes to a dedicated vertical for a recovery and follow-up.
- **FY23 guidance:** GNPA/NNPA to be sub-9%/3%. Slippages to moderate to less than 2%, with a credit cost of less than 1.7%.
- The bank saw recoveries of INR38b and is on track to achieve total recoveries of INR150b in FY23.
- As resolution proceedings at the NCLT are taking longer to resolve (TAT of ~440 days), the management is focusing on accelerating recoveries via SARFAESI and DRT.
- **SARFAESI:** UNBK is separately focused on monitoring SARFAESI and DRT processes for a speedy and smooth resolution. The bank will conduct one mega e-auction, under SARFAESI, to speed up the resolution process. It is selling more than 100 properties every month via SARFAESI.
- The bank has formed a Stressed Asset Management (SAM) department for large ticket size loans. It has a total of nine such centers handling loans of ~INR1t.
- It has 19 ARBs handling loans, with an exposure of INR10-250m, and is currently handling loans worth INR140b.
- For cases under DRT, the bank has integrated 11 agencies, via API, for speedy transmission and better monitoring.
- UNBK has more than 20k advocates, who are incentivized based on the resolution and success rate of the cases being handled. Inefficient advocates are removed from its empanelment.
- The management intends to completely digitize the stressed asset management vertical, with nil paperwork, from FY23.
- Since recoveries are faster in the initial years and becomes difficult as the account ages, the focus is on resolving the same at the earliest.

- The bank has established 118 RCoCs and 18 ZCoCs. These centers focus entirely on collections.
- Some stress is visible in the Housing loan book. The management ensures that the borrower keeps at least two EMIs in the bank account.
- Total standard restructuring book stands at INR167b, of which INR45b appears to be stressed. MSMEs may witness some stress, but the same will not impact overall asset quality.
- Of the total restructuring book, accounts worth ~INR32b, i.e. 17-18% has slipped into NPA. Within this book, SMA remains controlled at INR20b.
- There remains good demand for NPA resolution in Steel, Infrastructure, and Power segments, which should see resolutions over the next few quarters.
- One account in the Textile segment is likely to see a resolution soon, which will aid overall recoveries.
- The recovery rate on the principal stands at 40-50% in the Power and Steel segment, while the same is higher (~70%) in Road accounts.
- The bank is implementing schemes such as one-time settlement (OTS) and renewal of facilities to tackle stress/NPAs in the Agri segment.

Exhibit 1: GNPA/NNPA ratio improves by 89bp/37bp QoQ in 1QFY23

Exhibit 2: Slippages moderate to 2.6% in 1QFY23





■ Gross Slippages Annualized (%)

Source: MOFSL, Company

Source: MOFSL, Company

Exhibit 3: SMA book stands negligible, augurs well for future stress formation

Jei C33 Torritation			
SMA book in 1QFY23	SMA 0	SMA 1	SMA 2
ВОВ	NA	0.	5%
BOI	NA	0.2%	0.3%
СВК	0.7%	0.2%	0.4%
INBK	NA	0.4%	0.2%
PNB	NA	NA	0.3%
SBIN	NA	0.2%	0.1%
UNBK	0.3%	0.1%	0.1%
BANDHAN	4.7%	2.4%	5.6%
KMB	NA	NA	0.1%

Source: MOFSL, Company

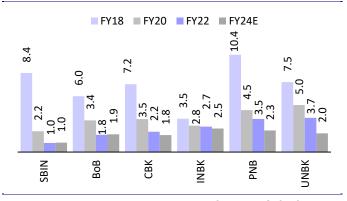
Exhibit 4: Restructured portfolio for PSBs

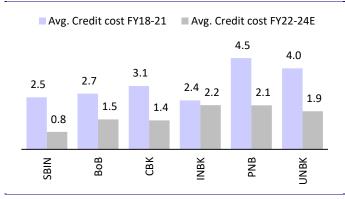
1QFY23 (INR b)	Absolute	Mar'21	Sep'21	Mar'22	Jun'22
ВОВ	196.7	1.34%	2.95%	2.44%	2.46%
SBIN	287.9	0.73%	1.24%	1.13%	1.02%
INBK	165.8	1.64%	5.85%	4.73%	4.17%
PNB	147.0	NA	2.60%	2.36%	1.98%
UNBK	212.4	1.10%	3.69%	2.99%	2.92%
ВОІ	104.1	NA	3.61%	2.63%	2.35%
СВК	180.0	NA	2.85%	2.77%	2.41%

Source: MOFSL, Company

Exhibit 5: Slippage trend moderates over FY22, to stay controlled over FY22-24 for PSBs

Exhibit 6: Expect credit cost to moderate over FY22-24 as Banks are well provided for its legacy stressed assets





Source: MOFSL, Company Source: MOFSL, Company

Exhibit 7: Asset quality ratios expectations for key PSBs

DCD-	GNPA ratio (%)			NNPA ratio (%)				PCR (%)				
PSBs	FY18	FY21	FY22	FY24E	FY18	FY21	FY22	FY24E	FY18	FY21	FY22	FY24E
SBIN	10.9	5.0	4.0	3.0	5.7	1.5	1.0	0.8	50.4	70.9	75.0	74.6
ВОВ	12.3	8.9	6.6	4.5	5.5	3.1	1.7	0.9	58.4	67.3	75.3	80.9
СВК	11.9	8.9	7.5	5.3	7.5	3.9	2.7	1.6	39.5	58.8	65.9	71.4
INBK	7.4	9.9	8.5	6.2	3.8	3.4	2.3	1.3	50.3	68.1	73.0	79.7
PNB	18.4	14.1	11.8	8.6	11.3	5.8	4.9	3.2	43.4	62.4	61.5	65.1
UNBK	15.7	13.7	11.1	7.2	8.4	4.7	3.8	2.2	50.7	69.2	68.7	70.6

Source: MOFSL, Company

Exhibit 8: DuPont Analysis: We expect return ratios to improve in FY23E and FY24E

Y/E MARCH (%)	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Interest Income	6.97	6.94	7.13	6.57	6.01	6.46	6.76
Interest Expense	4.99	4.86	4.94	4.21	3.55	3.94	4.13
Net Interest Income	1.98	2.08	2.19	2.36	2.46	2.52	2.63
Fee income	0.79	0.79	0.73	0.73	0.82	0.75	0.77
Trading and others	0.27	0.12	0.28	0.39	0.29	0.14	0.16
Non-Interest Income	1.06	0.91	1.01	1.12	1.11	0.89	0.93
Total Income	3.04	2.99	3.20	3.48	3.57	3.41	3.56
Operating Expenses	1.44	1.46	1.44	1.60	1.63	1.61	1.63
Employees	0.67	0.64	0.64	0.89	0.90	0.87	0.88
Others	0.77	0.82	0.80	0.71	0.74	0.74	0.75
Operating Profits	1.60	1.53	1.76	1.88	1.94	1.80	1.93
Core Operating Profits	1.33	1.42	1.48	1.49	1.64	1.66	1.77
Provisions	3.02	2.33	2.53	1.65	1.18	1.03	1.01
NPA	2.87	2.33	1.78	1.33	1.03	0.98	0.97
Others	0.14	0.00	0.75	0.32	0.15	0.04	0.04
РВТ	-1.41	-0.80	-0.77	0.23	0.76	0.78	0.92
Tax	-0.30	-0.20	-0.22	-0.05	0.30	0.27	0.26
RoA	-1.12	-0.60	-0.55	0.28	0.46	0.51	0.66
Leverage (x)	21.3	20.9	19.0	18.3	18.0	18.2	18.5
RoE	-23.8	-12.5	-10.6	5.1	8.3	9.2	12.3

Financials and valuations

Income Statement					_		(INRb)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Interest Income	327.5	340.7	372.3	687.7	679.4	800.4	912.2
Interest Expense	234.4	238.5	257.9	440.8	401.6	488.2	557.4
Net Interest Income	93.0	102.1	114.4	246.9	277.9	312.2	354.8
Growth (%)	4.5	9.8	12.0	115.9	12.5	12.4	13.7
Non-Interest Income	49.9	44.7	52.6	117.4	125.2	110.2	125.6
Total Income	142.9	146.9	167.0	364.3	403.1	422.4	480.5
Growth (%)	3.1	2.8	13.7	118.2	10.6	4.8	13.7
Operating Expenses	67.5	71.7	75.2	167.7	184.4	199.2	219.9
Pre Provision Profits	75.4	75.2	91.8	196.7	218.7	223.2	260.6
Growth (%)	1.5	-0.2	22.1	114.2	11.2	2.1	16.7
Core PPP	62.7	69.5	77.2	156.1	185.7	205.8	238.7
Growth (%)	48.7	10.7	11.1	102.2	19.0	10.8	16.0
Provisions (excl. tax)	141.8	114.5	132.1	172.7	132.9	126.9	136.4
PBT	-66.4	-39.3	-40.3	24.0	85.8	96.3	124.2
Tax	-13.9	-9.8	-11.3	-5.1	33.5	33.7	34.8
Tax Rate (%)	21.0	24.9	28.1	-21.1	39.0	35.0	28.0
PAT	-52.5	-29.5	-29.0	29.1	52.3	62.6	89.4
Growth (%)	-1,045.1	-43.8	-1.7	-200.3	80.0	19.6	42.9
Balance Sheet					_		
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Equity Share Capital	11.7	17.6	34.2	64.1	68.3	68.3	68.3
Reserves & Surplus	239.3	247.2	303.6	580.7	637.4	679.5	734.8
Net Worth	251.0	264.9	337.9	644.8	705.8	747.9	803.1
Deposits	4,085.0	4,159.2	4,506.7	9,238.1	10,323.9	11,253.1	12,378.4
Growth (%)	8.0	1.8	8.4	105.0	11.8	9.0	10.0
of which CASA Deposits	1,392.4	1,501.4	1,603.7	3,355.9	3,771.9	4,141.1	4,592.4
Growth (%)	6.9	7.8	6.8	109.3	12.4	9.8	10.9
Borrowings	456.8	428.6	524.9	518.4	511.8	536.2	563.5
Other Liabilities & Prov.	81.0	87.7	137.4	315.9	334.4	351.2	368.7
Total Liabilities	4,873.8	4,940.4	5,506.8	10,717.1	11,875.9	12,888.3	14,113.7
Current Assets	494.4	430.5	551.1	844.1	1,195.0	1,131.8	1,242.4
Investments	1,237.5	1,260.5	1,524.1	3,315.1	3,485.1	3,729.0	4,064.6
Growth (%)	10.3	1.9	20.9	117.5	5.1	7.0	9.0
Loans	2,887.6	2,969.3	3,150.5	5,909.8	6,610.0	7,304.1	8,107.6
Growth (%)	0.8	2.8	6.1	87.6	11.8	10.5	11.0
Fixed Assets	38.3	37.6	47.6	73.4	71.9	75.5	79.3
Other Assets	215.9	242.5	233.5	574.6	513.9	647.9	619.8
Total Assets	4,873.8	4,940.4	5,506.8	10,717.1	11,875.9	12,888.3	14,113.7
Asset Quality							
GNPA (INR m)	493.7	487.3	490.9	897.9	795.9	663.4	618.5
NNPA (INR m)	243.3	203.3	173.0	279.4	249.3	195.7	182.0
GNPA Ratio	15.73	14.98	14.15	13.75	11.12	8.54	7.24
NNPA Ratio	8.42	6.85	5.49	4.73	3.77	2.68	2.24
Slippage Ratio	7.46	4.70	5.02	2.93	3.65	2.10	2.00
Credit Cost	4.69	3.90	4.32	2.90	2.12	1.75	1.70
PCR (Excl. Tech. write off)	50.7	58.3	64.7	68.9	68.7	70.5	70.6

Financials and valuations

Ratios							
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Yield and Cost Ratios (%)							
Avg. Yield-Earning Assets	7.3	7.3	7.5	7.0	6.4	6.8	7.1
Avg. Yield on loans	7.9	8.1	8.2	7.7	7.2	7.8	8.1
Avg. Yield on Investments	7.6	7.4	7.7	6.8	5.9	6.2	6.5
Avg. Cost-Int. Bear. Liab.	5.4	5.2	5.4	4.6	3.9	4.3	4.5
Avg. Cost of Deposits	5.5	5.4	5.5	4.6	3.8	4.3	4.5
Interest Spread	1.9	2.1	2.2	2.4	2.5	2.5	2.6
Net Interest Margin	2.1	2.2	2.3	2.5	2.6	2.7	2.8
Capitalisation Ratios (%)							
CAR	11.6	11.9	12.7	12.6	14.5	14.2	13.9
Tier I	9.1	9.6	10.7	10.4	12.2	11.9	11.7
Tier II	2.4	2.3	2.0	2.2	2.3	2.3	2.2
Business and Efficiency Ratios (%)							
Loans/Deposit Ratio	70.7	71.4	69.9	64.0	64.0	64.9	65.5
CASA Ratio	34.1	36.1	35.6	36.3	36.5	36.8	37.1
Cost/Assets	1.4	1.5	1.4	1.6	1.6	1.5	1.6
Cost/Total Income	47.3	48.8	45.0	46.0	45.7	47.2	45.8
Cost/ Core Income	-0.5	-1.3	-0.5	-0.4	-0.6	-1.2	-1.0
Int. Expense/Int. Income	71.6	70.0	69.3	64.1	59.1	61.0	61.1
Fee Income/Total Income	26.0	26.6	22.7	21.1	22.9	22.0	21.6
Non Int. Inc. Total Income	34.9	30.5	31.5	32.2	31.1	26.1	26.2
Emp. Cost/Total Expense	46.7	44.0	44.7	55.4	54.9	53.8	53.9
Investment/Deposit Ratio	30.3	30.3	33.8	35.9	33.8	33.1	32.8
Profitability Ratios and Valuation							
RoE	-23.7	-12.5	-10.6	5.1	8.3	9.2	12.3
RoA	-1.1	-0.6	-0.6	0.3	0.5	0.5	0.7
RoRWA	-1.8	-1.1	-1.0	0.5	1.0	1.1	1.4
Book Value (INR)	203.7	143.3	93.6	96.4	99.4	105.6	113.7
Growth (%)	-38.1	-29.7	-34.7	3.0	3.1	6.2	7.7
Price-BV (x)	0.2	0.3	0.5	0.4	0.4	0.4	0.4
Adjusted BV (INR)	50.8	57.3	54.5	63.3	71.7	83.2	92.5
Price-ABV (x)	0.8	0.7	0.8	0.7	0.6	0.5	0.5
EPS (INR)	-56.5	-20.1	-11.2	4.5	7.9	9.2	13.1
Growth (%)	-800.1	-64.4	-44.4	-140.6	74.2	15.9	42.9
Price-Earnings (x)	-0.7	-2.1	-3.8	9.3	5.4	4.6	3.2
The Lannings (A)	0.7	۷. ۲	3.0	5.5	۶.⊣	7.0	5.2

NOTES

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.

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 galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com, <a href="www.nseindia.co 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.

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

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
- 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 acted as a manager or co-manager of public offering of securities of the subject company in past 12 months

 MOFSL has received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 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

26 September 2022

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; 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 dpgrievances@motilaloswal.com.