Buy



# **VRL Logistics**

**BSE SENSEX S&P CNX** 62,502 18,499

**CMP: INR744** 

# VRL LOGISTICS LTD

#### **Stock Info**

Bloomberg	VRLL IN
Equity Shares (m)	88
M.Cap.(INRb)/(USDb)	65.1 / 0.8
52-Week Range (INR)	753 / 483
1, 6, 12 Rel. Per (%)	16/33/10
12M Avg Val (INR M)	169
Free float (%)	35.8

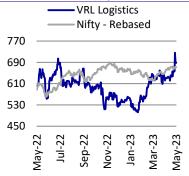
Financials Snapshot (INR b)					
Y/E March	2023	2024E	2025E		
Net Sales	26.5	31.5	37.5		
EBITDA	4.0	5.1	6.3		
Adj. PAT	1.7	2.2	3.0		
Adj. EPS (INR)	18.8	25.3	33.6		
EPS Gr. (%)	6.4	34.5	33.0		
BV/Sh. (INR)	110.5	129.8	153.6		
Ratios					
Net D/E (x)	0.2	0.2	0.0		
RoE (%)	39.7	21.0	23.7		
RoCE (%)	35.6	20.2	22.6		
Payout (%)	21.7	23.5	29.4		
Valuations					
P/E (x)	39.6	29.4	22.1		
P/BV (x)	6.7	5.7	4.8		
EV/EBITDA (x)	16.7	13.0	10.4		
Div. Yield (%)	0.7	0.8	1.3		
FCF Yield (%)	-1.4	0.4	2.9		

#### Shareholding pattern (%)

As On	Mar-23	Dec-22	Mar-22
Promoter	64.2	64.2	69.6
DII	24.2	20.8	15.1
FII	2.4	4.2	3.6
Others	9.3	10.9	11.7

FII Includes depository receipts

#### Stock Performance (1-year)



# Expansion of fleet size and branch network to drive volume growth

We recently hosted VRL Logistics Ltd (VRLL) for an NDR. The key highlights are as follows:

**TP: INR840 (+22%)** 

- VRLL has successfully transitioned into a pure play goods transport (GT) player, with a strategic focus on the highly profitable LTL segment. The addition of new branches has significantly contributed to tonnage growth. In FY23, VRLL expanded its branch network by adding 184 new branches.
- As customers seek a reliable and efficient logistics partner that can cater to their transportation needs across the country, VRLL is well positioned to capture a larger customer base. The customer base of the company has increased to 0.8m in Mar'23 from ~0.7m in Mar'22.
- Additionally, VRLL is likely to gain market share from smaller unorganized competitors due to increasing compliance requirements.
- Going forward, we expect VRLL to benefit from the growth opportunity in the LTL business and from the extensive branch additions in new geographies. We expect VRL to clock revenue/ EBITDA/PAT CAGR of 19%/25%/34% over FY23-25. The stock trades at 22x FY25E EPS. We reiterate our BUY rating, with a TP of INR840 (25x FY25E EPS).

#### Growing Branch network and fleet expansion to aid higher volumes

- The addition of new branches in FY23, totaling 184, is expected to have a positive impact on VRLL's tonnage growth. These new branches will facilitate VRLL's expansion into new geographies, enabling the company to reach customers in untapped areas.
- These additional new branches contributed ~5% to the total volume. This indicates that the newly added branches have already started to make a meaningful contribution to VRLL's overall tonnage.
- VRLL would be adding 20-25 branches per quarter in FY24. The focus of expansion efforts will primarily be on the eastern, northeastern, and western regions. Currently, the eastern region contributes ~20% to VRLL's volumes, the northeastern region contributes ~25-30%, the southern region contributes ~30-35%, and Madhya Pradesh and Chhattisgarh contribute ~5-6% each.
- The number of GT vehicles increased to 5,671 units in Mar'23 from 4,816 in Mar'22. With the addition of trucks in FY23, its total capacity has increased to 82,657 tonnes with 10,700+ tonnes of daily handling capacity.
- Implementation of Vehicle Scrapping Policy envisages replacing the existing older vehicles. In FY24, the company plans to withdraw approximately 1,220 vehicles that have been in operation for more than 15 years. To meet the demand for replacements, VRLL has placed an order for 1,667 new trucks with Ashok Leyland (1,560 trucks) and Tata Motors (107 trucks). The total investment for these new trucks is estimated to be ~INR 5b.

Alok Deora - Research analyst (Alok.Deora@motilaloswal.com)

The addition of these new trucks will significantly enhance VRLL's capacity by ~30,092 MT on gross basis. By replacing older vehicles and adding new trucks, VRLL aims to improve its fleet efficiency, enhance service reliability, and meet the evolving requirements of its customers.

## Strong balance sheet position despite large capacity expansion underway

- VRLL has a comfortable financial profile, marked by healthy profitability indicators, strong cash accruals, and comfortable capital structure as indicated by Net Debt/Equity ratio of 0.2x as on Mar'23.
- Net debt has increased to INR1.68b in Mar'23 from INR500m in Dec'22, primarily due to capex and buy-back worth INR600m.
- The company is expected to incur a capex of ~INR 5b in FY24 for acquiring new vehicles. This expenditure will be funded through internal accruals, and hence, the company does not expect a significant increase in Net debt.

## Sale of non-core businesses key positive

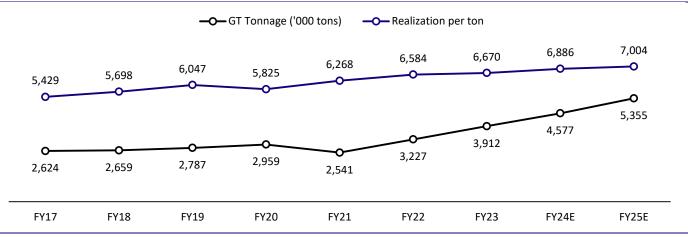
- In FY23, VRL executed a transfer agreement for the sale of its Bus business for INR2.3b. Further, VRL executed a transfer agreement for the sale of its Wind power business for INR528m.
- We consider the divestment of the bus segment and the wind segment to be a positive development for VRL, as it allows the company to concentrate more effectively on the high-growth GT business. Additionally, the cash generated from the sale is being utilized to partially finance the capex required for expanding the truck fleet.
- The Board of Directors have also granted an in-principle approval for the sale/ transfer of the Company's 'Transportation of Passengers by Air' Business by way of a slump sale.
- Following the sale of the non-core businesses, the company has decided to focus solely on the GT segment. It has no plans to venture into express or any other logistics segments.

#### Valuation and view

- VRLL's transformation into a focused GT player, coupled with the addition of new branches, larger fleet size, growing customer base, and market share gains from unorganized competitors, positions the company for a strong and sustainable tonnage growth. We expect VRL to clock 17% volume CAGR over FY24-25 with EBITDA margin in the 16-17% range going forward.
- We expect VRL to clock revenue/ EBITDA/PAT CAGR of 19%/25%/34% over FY23-25. We reiterate our BUY rating with a TP of INR840 (based on 25x FY25E EPS).

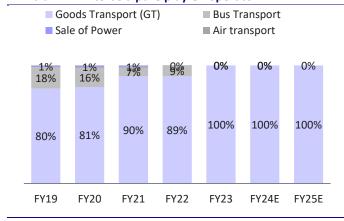
# **Financial story in charts**

Exhibit 1: Expect volumes to clock 17% CAGR in FY24/25



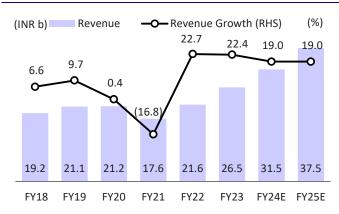
Source: Company, MOFSL

Exhibit 2: VRLL to be a pure play GT operator



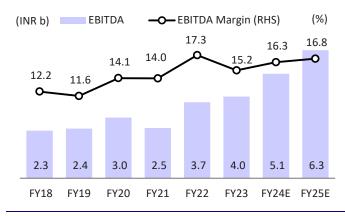
Source: Company, MOFSL

Exhibit 3: Shift to organized operators to drive revenue



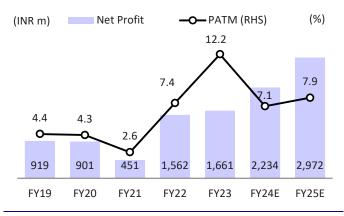
Source: Company, MOFSL

**Exhibit 4: Margin to improve with higher volumes** 



Source: Company, MOFSL

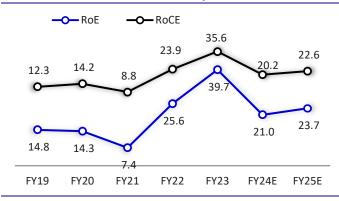
**Exhibit 5: Strong operating performance to drive PAT** 

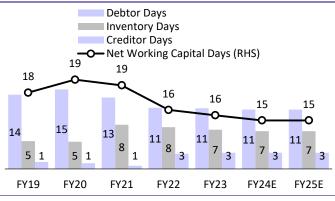


Source: Company, MOFSL

Exhibit 6: Return ratios to be healthy at >20%

#### **Exhibit 7: Comfortable working capital position**

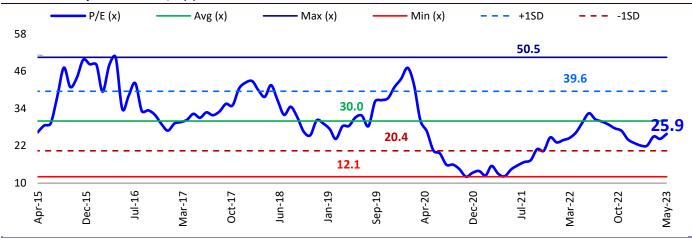




Source: Company, MOFSL

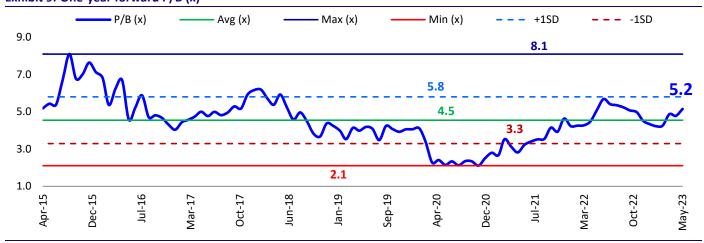
Source: Company, MOFSL

#### Exhibit 8: One-year forward P/E (x)



Source: Company, MOFSL

## Exhibit 9: One-year forward P/B (x)



Source: Company, MOFSL

# **Financials and valuations**

Y/E March (INR m)	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Net Sales	21,095	21,185	17,629	21,636	26,485	31,517	37,506
Change (%)	9.7	0.4	-16.8	22.7	22.4	19.0	19.0
Gross Margin (%)	30.1	33.4	33.0	34.5	32.1	32.0	32.0
EBITDA	2,440	2,983	2,475	3,745	4,017	5,144	6,304
Margin (%)	11.6	14.1	14.0	17.3	15.2	16.3	16.8
Depreciation	1,006	1,675	1,598	1,445	1,591	1,809	2,072
EBIT	1,434	1,307	877	2,300	2,425	3,335	4,232
Int. and Finance Charges	109	367	368	422	543	535	483
Other Income	79	103	129	168	143	186	224
PBT	1,405	1,043	637	2,047	2,025	2,986	3,973
Tax	486	142	187	485	364	753	1,001
Effective Tax Rate (%)	34.6	13.6	29.3	23.7	18.0	25.2	25.2
Extraordinary Items	486	142	187	-40	-1,571	0	0
Reported PAT	919	901	451	1,601	3,232	2,234	2,972
Adj. PAT	919	901	451	1,562	1,661	2,234	2,972
Change (%)	-0.7	-2.0	-50.0	246.6	6.4	34.5	33.0
Margin (%)	4.4	4.3	2.6	7.2	6.3	7.1	7.9
Balance Sheet Y/E March (INR m)	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	903	903	883	883	883	883	883
Total Reserves	5,556	5,265	5,088	5,633	8,875	10,584	12,681
Net Worth	6,459	6,169	5,088 5,971	6,516	9,758	11,467	13,564
Deferred Tax Liabilities	738	440	440	386	461	461	461
Total Loans	1,407	1,893	1,196	1,593	1,949	1,949	1,599
Capital Employed	8,604	8,502	7,607	8,496	12,169	13,878	15,625
Gross Block	10,835	15,105	15,850	18,422	23,844	27,844	31,344
Less: Accum. Deprn.	3,785	5,202	6,307	7,442	9,033	10,842	12,914
Net Fixed Assets	7,051	9,903	9,544	10,980	14,811	17,002	18,431
Capital WIP	416	44	61	350	384	384	384
Total Investments	1	1	1	4	2	2	2
Curr. Assets, Loans, and Adv.	2,311	2,304	2,381	2,482	3,721	4,482	6,051
Inventory	298	293	395	459	528	604	719
Account Receivables	795	856	639	673	817	950	1,130
Cash and Bank Balances	131	134	185	140	116	229	989
Cash	126	129	183	82	112	224	984
Bank Balance	5	5	1	5	5	5	5
Others	1,086	1,021	1,162	1,211	2,260	2,703	3,216
Current Liab. and Prov.	1,174	3,750	4,379	5,307	6,748	7,994	9,245
Account Payables	61	35	136	203	142	259	308
Other Current Liabilities	849	3,368	3,911	4,671	6,173	7,220	8,323
Provisions	264	347	332	433	433	515	613
Net Current Assets	1,136	-1,445	-1,998	-2,825	-3,027	-3,513	-3,194
Application of Funds	8,604	8,502	7,607	8,508	12,169	13,878	15,625

## **Financials and valuations**

Ratios							
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)							
EPS	10.2	10.0	5.1	17.7	18.8	25.3	33.6
EPS growth (%)	-0.7	-2.0	-48.9	246.6	6.4	34.5	33.0
Cash EPS	21.3	28.5	23.2	34.0	36.8	45.8	57.1
BV/Share	71.5	68.3	67.6	73.8	110.5	129.8	153.6
DPS	5.5	7.0	4.0	8.0	5.0	6.0	10.0
Payout (Incl. Div. Tax, %)	65.2	84.6	78.4	43.7	13.5	23.5	29.4
Valuation (x)							
P/E	73.1	74.6	145.8	42.1	39.6	29.4	22.1
Cash P/E	34.9	26.1	32.1	21.9	20.2	16.3	13.0
EV/EBITDA	27.2	22.4	26.7	17.8	16.7	13.0	10.4
EV/Sales	3.1	3.2	3.7	3.1	2.5	2.1	1.8
P/BV	10.4	10.9	11.0	10.1	6.7	5.7	4.8
Dividend Yield (%)	0.7	0.9	0.5	1.1	0.7	0.8	1.3
Return Ratios (%)							
RoE	14.8	14.3	7.4	25.6	39.7	21.0	23.7
RoCE	12.3	14.2	8.8	23.9	35.6	20.2	22.6
RoIC	12.2	13.8	7.9	22.8	20.2	20.0	23.0
Working Capital Ratios							
Fixed Asset Turnover (x)	2.1	1.6	1.1	1.3	1.3	1.2	1.3
Asset Turnover (x)	2.5	2.5	2.3	2.5	2.2	2.3	2.4
Inventory (Days)	5	5	8	8	7	7	7
Debtors (Days)	14	15	13	13	11	11	11
Creditors (Days)	1	1	3	3	3	3	3
Leverage Ratio (x)							
Net Debt/Equity	0.2	0.3	0.2	0.2	0.2	0.2	0.0
Cash Flow Statement							
Y/E March (INR m)	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	1,405	1,043	637	2,099	4,234	2,986	3,973
Depreciation	1,006	1,675	1,598	1,680	1,724	1,809	2,072
Direct Taxes Paid	-523	-431	-148	-581	-856	-753	-1,001
(Inc.)/Dec. in WC	-64	-94	294	-157	581	-114	82
Other Items	98	380	330	667	-2,499	349	260
CF from Operations	1,922	2,573	2,711	3,708	3,183	4,277	5,385
(Inc.)/Dec. in FA	-2,109	-1,200	-330	-1,933	-4,124	-4,000	-3,500
Free Cash Flow	-187	1,373	2,381	1,775	-941	277	1,885
Change in Investments	3	14	15	4	4	0	0
Others	15	0	1	128	2,675	-4	10
CF from Investments	-2,091	-1,185	-313	-1,801	-1,445	-4,004	-3,490
Inc./Dec.in net worth	0	0	-632	0	-629	0	0
Inc./(Dec.) in Debt	596	485	-697	-1,661	-1,019	0	-350
Dividends Paid	-381	-980	0	-1,060	0	-525	-875
Others	-104	-889	-1,014	714	-61	364	90
CF from Fin. Activity	110	-1,384	-2,344	-2,008	-1,709	-161	-1,135
Inc./(Dec.) in Cash	-59	3	54	-101	30	112	760
Opening Balance	185	126	129	183	82	112	224
Closing Balance	126	129	183	82	112	224	984

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.

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 <a href="https://www.nseindia.com">www.nseindia.com</a>, <a href="https://www.nseindia.com">www.nseindia.com</a>, <a href="https://www.nseindia.com">www.nseindia.com</a>. 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.

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 not 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 May 2023

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.

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

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; 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::022-40548085. Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; 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.