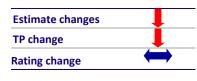


NOCIL

Buy



CMP: INR215

Bloomberg	NOCIL IN
Equity Shares (m)	167
M.Cap.(INRb)/(USDb)	35.7 / 0.4
52-Week Range (INR)	295 / 199
1, 6, 12 Rel. Per (%)	-2/-9/-27
12M Avg Val (INR M)	155

Financials & Valuations (INR b)

()							
Y/E March	FY23	FY24E	FY25E				
Sales	16.2	17.6	19.3				
EBITDA	2.5	2.8	3.3				
PAT	1.5	1.7	2.1				
EPS (INR)	8.9	10.3	12.7				
EPS Gr. (%)	-15.5	15.7	23.3				
BV/Sh.(INR)	92	99	108				
Ratios							
Net D:E	-0.0	-0.1	-0.2				
RoE (%)	10.0	10.8	12.3				
RoCE (%)	9.4	10.1	11.6				
Payout (%)	33.6	33.6	33.6				
Valuations							
P/E (x)	24.2	20.9	16.9				
P/BV (x)	2.3	2.2	2.0				
EV/EBITDA (x)	14.2	12.2	9.9				
Div. Yield (%)	1.4	1.6	2.0				
FCF Yield (%)	6.9	4.7	5.5				

Shareholding pattern (%)

As On	Mar-23	Dec-22	Mar-22
Promoter	33.8	33.8	33.9
DII	5.5	4.8	4.3
FII	5.4	5.3	2.5
Others	55.3	56.1	59.4

FII Includes depository receipts

Global macro environment still remains a challenge

NOCIL reported a 13% beat on our absolute EBITDA estimate with EBITDA/kg at INR35.6/kg, up 6% QoQ, with realization declining 4% QoQ (at INR285/kg, down 15% YoY). Sales volumes increased 26% QoQ to 13.8tmt, primarily driven by the recovery of export volumes, leading to an overall uptick in volumes during the quarter.

TP: INR255 (+19%)

- The company achieved its highest quarterly volumes and revenue in 1QFY23. However, as global demand slowdown started to kick in from 2Q, the company's performance started to decline. Despite a decrease in volumes, the increase in product prices helped mitigate the impact in FY23. Subsequently, the share of exports to total revenues decreased to 31% in FY23 from 36% in FY22. Due to the sluggish demand in China, there has been an influx of additional volumes into the international market at significantly reduced prices.
- Inflationary pressures and fear of recession still persist with the management focusing on growing its volumes, maintaining EBITDA/kg and increasing wallet share to navigate the global macro uncertainties. According to the management, the outlook of domestic tyre companies remains robust, with the industry expected to grow ~10% annually over the next several years.
- Optimal capacity utilization for its expanded capacity is uncertain and would go beyond FY24, given the uncertain global macro environment (earlier guidance of full utilization by Sep'23). Given the subdued performance in FY23 and the longer-than-expected duration for capacity ramp-up, we cut our EBITDA/ EPS guidance for FY24 by 15%/ 17% and by 11%/ 12% for FY25. We expect EBITDA/kg to be at INR48 for FY24 and at INR51 for FY25.
- The stock is trading at 17x FY25E EPS of INR12.7 and 10x FY25E EV/EBITDA. We expect the return ratios to be stable at 10-12% in FY24-25. We reiterate our BUY rating on the stock with a TP of INR255.

Beat led by lower employee and other operating expenses

- Revenue came in above our est. at INR3.9b (down 15% YoY, up 21% QoQ), consensus beat by 11%. Gross margin stood at 40.6% (v/s 50% in 4QFY22)
- Volumes sold were at ~13.8ktpa in 4QFY23 (up 26% QoQ) with export volumes recovering QoQ. Overall volumes have also improved in the quarter.
- Implied realization declined to INR285/kg (down 4% QoQ) with EBITDA/kg at INR35.6/kg in 4QFY23.
- EBITDA stood at INR490m (est. of INR433m, down 56% YoY, up 33% QoQ). EBITDAM stood at 12.5% (v/s 23.9% in 4QFY22).
- PAT stood at INR284m (est. of INR230m, down 59% YoY, up 51% QoQ).
- The board has appointed Mr. Anand V. S. as the new Managing Director of the company for a period of five years, w.e.f. 1st Aug'23.
- As a part of succession planning, Mr. Anand was appointed as the Deputy Managing Director w.e.f. 2nd Mar'22, for a tenure of five years, so as to take over the mantle from Mr. Sudhir R Deo, whose tenure is coming to an end on 31st Jul'23.

Swarnendu Bhushan – Research Analyst (Swarnendu.Bhushan@MotilalOswal.com)

Research Analyst: Aman Chowdhary (Aman.Chowdhary@MotilalOswal.com) | Rohit Thorat (Rohit.Thorat@MotilalOswal.com)

- Prior to joining NOCIL, Mr. Anand held the position of Managing Director of Chemetall India (a BASF company). He was associated with BASF from 1997 until Feb'22.
- For FY23, revenue stood at INR16.2b (up 3% YoY) and EBITDA at INR2.5b (down 12% YoY). PAT stood at INR1.5b (down 15% YoY).
- EBITDAM was at 15.4% in FY23 (18% in FY22), declining 260bp YoY.
- The company has declared a final dividend of INR3.
- The global rubber consumption was flat at 29.7mmt in CY22 compared to CY21, due to the ongoing global economic slowdown.

Valuation and view

- The management guided for debottlenecking of its existing units by FY24, resulting in a potential capacity increase of 5-10%. However, there are no plans for new capacities in the next few years. The remaining capex would be allocated toward maintenance activities. No specific timelines have been provided for achieving optimal capacity utilization of the expanded capacity of 110ktpa.
- Even though global rubber consumption remained flat in CY22 v/s CY21, due to the ongoing global slowdown, NOCIL has managed to sustain its market share during this period. Additionally, the management expects that 'Europe+1' strategy could play out over the medium term, with no imminent capacity constraints in the near future.
- The stock is trading at 17x FY25E EPS of INR12.7 and 10x FY25E EV/EBITDA. We expect the return ratios to be stable at 10-12% in FY24-25. We reiterate our BUY rating on the stock with a TP of INR255.

Standalone - Quarterly Earnings Model												(INR m)
Y/E March		FY	22			FY	23		FY22	FY23	FY23	Var.
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE	(%)
Gross Sales	3,445	3,752	3,889	4,627	5,089	3,892	3,257	3,927	15,713	16,166	3,577	10%
YoY Change (%)	223.4	69.3	41.6	43.7	47.7	3.8	-16.2	-15.1	69.9	2.9	-22.7	
Gross Margin (%)	49.4%	40.6%	40.7%	50.0%	46.4%	47.1%	46.1%	40.6%	45.3%	45.1%	45.9%	-5.3%
EBITDA	727	495	500	1,105	1,012	615	367	490	2,826	2,484	433	13%
Margin (%)	21.1	13.2	12.8	23.9	19.9	15.8	11.3	12.5	18.0	15.4	12.1	0.4
Depreciation	102	104	105	160	134	136	138	136	471	544	141	
Interest	2	2	3	4	3	3	3	3	11	12	3	
Other Income	10	22	9	11	10	12	26	32	51	79	18	
PBT before EO expense	632	411	400	952	885	487	251	384	2,396	2,007	308	25%
PBT	632	411	400	952	885	487	251	384	2,396	2,007	308	25%
Tax	161	106	102	268	229	128	64	100	636	520	78	
Rate (%)	25.5	25.8	25.3	28.1	25.8	26.2	25.4	26.1	26.6	25.9	25.2	
Reported PAT	471	305	299	685	656	359	188	284	1,760	1,487	230	23%
YoY Change (%)	300.3	83.4	35.4	90.1	39.4	17.7	-37.2	-58.6	103.4	-15.5	-66.3	
Margin (%)	13.7	8.1	7.7	14.8	12.9	9.2	5.8	7.2	11.2	9.2	6.4	0.8
Operating metrics												
Total Volume Sold (mt)	13,163	13,669	13,770	13,770	15,289	11,846	10,935	13,770	54,371	51,840	11,680	18%
Implied Realization (INR/kg)	262	274	282	336	333	329	298	285	289	312	306	-7%





Exhibit 2: One-year forward P/B



Source: Company, MOSL

4QFY23 - story in charts

Exhibit 3: Sales volumes up 26% QoQ and flat YoY

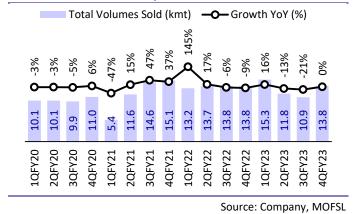
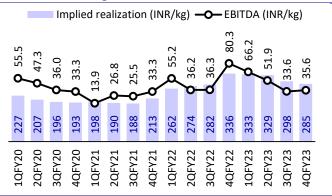


Exhibit 4: EBITDA/kg was at INR35.6 for 4QFY23



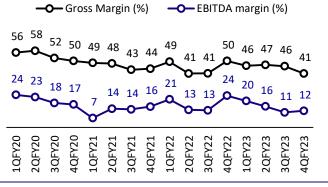
Source: Company, MOFSL

Exhibit 5: Sales up 21% QoQ, with realization at INR285/kg



Source: Company, MOFSL

Exhibit 6: Gross margin down 550bbp, EBITDAM up 120bp QoQ



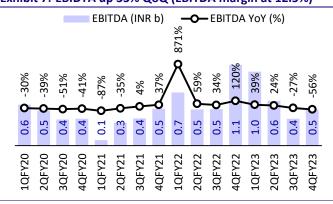
Source: Company, MOFSL

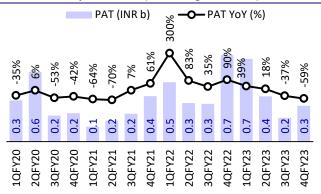
3 30 May 2023

MOTILAL OSWAL

Exhibit 7: EBIDTA up 33% QoQ (EBITDA margin at 12.5%)

Exhibit 8: PAT up 51% QoQ (PAT margin at 7.2%)





Source: Company, MOFSL Source: Company, MOFSL

Highlights from the management commentary

Operational highlights

- Volume increase has largely come from the non-latex market in 4QFY23
- Global recessionary trends and inflationary pressures in FY23 adversely impacted performance
- > The company achieved its highest ever quarterly volumes and revenues in 1QFY23
- Subsequently, as the global slowdown started, the following two quarters proved to be challenging for the company
- Increased prices for its products offset the decline in volumes in FY23
- Domestic revenues were INR11b in FY23 v/s INR10b in FY22. Revenue grew ahead of the rubber consumption in the country
- Decreased production in the latex market in SE Asia hit the volumes as export volumes declined 21% in FY23
- Exports revenue stood at INR4.9b v/s INR5.7b in FY22

Outlook

- Inflationary pressures still persist
- Would focus on maintaining EBITDA/kg, growing volumes, and increasing wallet share with the customers
- Domestic tyre companies have strong growth plans
- At least grow by 10% on an annual basis for the next several years
- The non-tyre segment is also looking good
- The market share in the US is at low single digits, but has grown 3x on a base of 100 since FY19. Chinese import duty into the US still exists

Capex updates

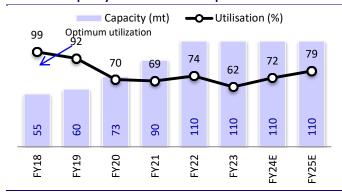
- Capex for FY24 and FY25 would be mainly for debottlenecking capacities (5-10% increase in capacity) and maintenance activities
- Debottlenecking to be completed in FY24

Other Highlights

- Expansion of product portfolio with the customers in the past few months
- Europe contributes 20% of total export sales for the company
- No guidance on timelines for optimum capacity utilization
- Average capacity utilization at 66-68% for 4QFY23 with the same being 62% for FY23
- Cash in hand at INR2b as of Mar'23

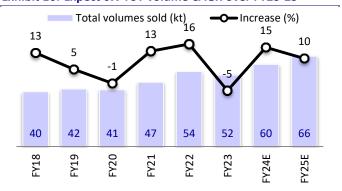
Financial story in charts

Exhibit 9: Capacity and utilization snapshot for NOCIL



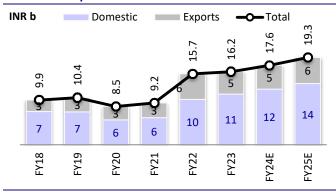
Source: Company, MOFSL

Exhibit 10: Expect 6% YoY volume CAGR over FY23-25



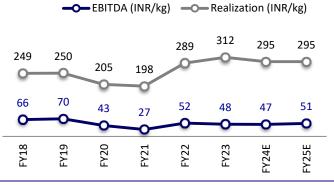
Source: Company, MOFSL

Exhibit 11: Exports to constitute ~30% of total revenue



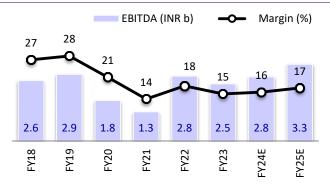
Source: Company, MOFSL

Exhibit 12: Realization and EBITDA per kg snapshot



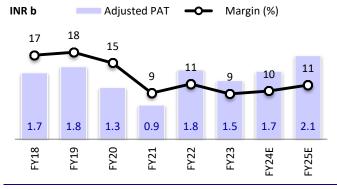
Source: Company, MOFSL

Exhibit 13: Margin profile of NOCIL



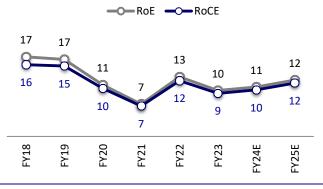
Source: Company, MOFSL

Exhibit 14: Expect PAT to grow by ~1.2x by FY25 (from FY22)



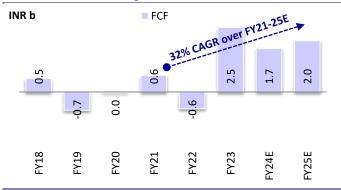
Source: Company, MOFSL

Exhibit 15: Expect return ratios to improve to 12x in FY25



Source: Company, MOFSL

Exhibit 16: ...with strong FCF CAGR of 32% over FY21-25



Source: Company, MOFSL

Financials and valuations

Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Total Income from Operations	9,893	10,429	8,463	9,247	15,713	16,166	17,568	19,325
Change (%)	20.9	5.4	-18.9	9.3	69.9	2.9	8.7	10.0
Gross Margin (%)	55.5	55.2	54.2	45.4	45.3	45.1	45.1	45.1
EBITDA	2,629	2,903	1,765	1,269	2,829	2,490	2,802	3,344
Margin (%)	26.6	27.8	20.8	13.7	18.0	15.4	15.9	17.3
Depreciation	229	230	324	361	471	544	568	577
EBIT	2,400	2,673	1,440	909	2,358	1,946	2,234	2,767
Int. and Finance Charges	12	6	13	10	11	12	12	12
Other Income	143	100	97	143	48	73	77	79
PBT bef. EO Exp.	2,531	2,767	1,524	1,042	2,396	2,007	2,299	2,835
PBT after EO Exp.	2,531	2,767	1,524	1,042	2,396	2,007	2,299	2,835
Total Tax	845	926	214	177	636	520	579	713
Tax Rate (%)	33.4	33.5	14.1	17.0	26.6	25.9	25.2	25.2
Reported PAT	1,686	1,841	1,310	865	1,760	1,487	1,720	2,121
Adjusted PAT	1,686	1,841	1,310	865	1,760	1,487	1,720	2,121
Change (%)	74.1	9.2	-28.9	-34.0	103.4	-15.5	15.7	23.3
Margin (%)	17.0	17.7	15.5	9.4	11.2	9.2	9.8	11.0
Standalone - Balance Sheet	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	(INR m) FY25E
Y/E March Equity Share Capital	1,645	1,654	1,656	1,662	1,666	1,666	1,666	1,666
Total Reserves	8,730	9,876	10,104	11,002	12,673	13,736	14,878	16,286
Net Worth	10,374	11,531	11,760	12,735	14,339	15,730	16,544	17,952
Total Loans	50	0	0	0	0	0	0	17,552
Deferred Tax Liabilities	1,003	1,054	887	956	1,028	1,069	1,069	1,069
Capital Employed	11,427	12,584	12,647	13,691	15,367	16,471	17,613	19,021
Gross Block	6,569	8,050	9,789	11,374	11,783	12,114	12,314	12,514
Less: Accum. Deprn.	1,576	1,787	2,111	2,472	2,943	3,487	4,055	4,632
Net Fixed Assets	4,994	6,263	7,678	8,902	8,840	8,627	8,259	7,882
Capital WIP	392	1,305	1,563	140	82	85	85	85
Total Investments	3,020	1,487	726	826	674	2,314	2,314	2,314
Curr. Assets, Loans, and Adv.	4,750	5,223	4,312	6,122	8,567	7,386	9,064	11,060
Inventory	1,550	1,704	1,361	1,653	3,326	2,847	3,094	3,404
Account Receivables	2,434	2,322	2,032	3,086	4,498	3,460	3,760	4,136
Cash and Bank Balance	276	389	128	797	154	551	1,636	2,889
Cash	240	360	84	441	116	213	1,298	2,551
Bank Balance	36	29	44	356	38	338	338	338
Loans and Advances	491	808	791	587	589	528	573	631
Curr. Liability and Prov.	1,729	1,694	1,633	2,297	2,795	1,940	2,109	2,320
Account Payables	1,139	988	892	1,710	2,174	1,283	1,395	1,534
Other Current Liabilities	397	502	511	378	414	453	492	541
Provisions	193	204	230	210	207	204	222	244
Net Current Assets	3,022	3,529	2,680	3,824	5,772	5,445	6,955	8,740
Appl. of Funds	11,427	12,584	12,647	13,691	15,367	16,471	17,613	19,021

Financials and valuations

Ratios								
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)								
EPS	10.1	11.1	7.9	5.2	10.6	8.9	10.3	12.7
EPS Growth (%)	74.1	9.2	-28.9	-34.0	103.0	-15.5	15.7	23.3
Cash EPS	11.5	12.5	9.8	7.4	13.4	12.2	13.7	16.2
BV/Share	62.4	69.4	70.8	76.6	86.1	92.4	99.3	107.7
DPS	1.8	2.5	4.5	2.0	3.0	3.0	3.5	4.3
Payout (%)	21.0	27.0	76.0	38.5	28.4	33.6	33.6	33.6
Valuation (x)								
P/E	21.3	19.5	27.4	41.5	20.4	24.2	20.9	16.9
Cash P/E	18.7	17.3	21.9	29.3	16.1	17.7	15.7	13.3
P/BV	3.5	3.1	3.0	2.8	2.5	2.3	2.2	2.0
EV/Sales	3.6	3.4	4.2	3.8	2.3	2.2	2.0	1.7
EV/EBITDA	13.6	12.2	20.2	27.6	12.6	14.2	12.2	9.9
Dividend Yield (%)	0.8	1.2	2.1	0.9	1.4	1.4	1.6	2.0
FCF per share	3.1	-4.3	-0.1	3.9	-3.9	15.0	10.1	11.9
Return Ratios (%)								
RoE	17.4	16.8	11.2	7.1	13.0	10.0	10.8	12.3
RoCE	15.6	15.4	10.5	6.6	12.2	9.4	10.1	11.6
RoIC	21.6	20.7	12.6	6.8	13.1	10.3	12.3	15.2
Working Capital Ratios								
Fixed Asset Turnover (x)	2.0	1.9	1.2	1.1	1.8	1.9	2.1	2.4
Asset Turnover (x)	0.9	0.8	0.7	0.7	1.0	1.0	1.0	1.0
Inventory (Days)	57	60	59	65	77	64	64	64
Debtor (Days)	90	81	88	122	104	78	78	78
Creditor (Days)	42	35	38	67	50	29	29	29
Leverage Ratio (x)								
Current Ratio	2.7	3.1	2.6	2.7	3.1	3.8	4.3	4.8
Interest Coverage Ratio	196.7	424.3	109.1	94.6	220.4	163.6	187.7	232.5
Net Debt/Equity ratio	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.2
								-
Standalone - Cash Flow Statement								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	2,531	2,767	1,524	1,042	2,396	2,007	2,299	2,835
Depreciation	229	230	324	361	471	544	568	577
Direct Taxes Paid	-802	-878	-510	-1	-591	-500	-579	-713
(Inc.)/Dec. in WC	-901	-400	515	-372	-2,549	783	-425	-532
CF from Operations	984	1,638	1,772	904	-318	2,776	1,875	2,178
(Inc.)/Dec. in FA	-470	-2,351	-1,790	-262	-330	-282	-200	-200
Free Cash Flow	514	-713	-18	642	-647	2,494	1,675	1,978
Other investing activity	-908	1,334	746	-325	658	-1,859	0	0
CF from Investments	-1,379	-1,017	-1,044	-586	328	-2,140	-200	-200
Inc./(Dec.) in Debt	-100	-50	0	0	0	0	0	0
Interest Paid	-13	-7	-9	-4	-6	-5	-12	-12
Dividend Paid	-350	-490	-980	-7	-332	-500	-578	-713
Others	2	41	-15	51	-27	-44	0	0
CF from Fin. Activity	-420	-501	-1,004	40	-336	-538	-590	-725
Inc./Dec. in Cash	-814	120	-276	358	-325	98	1,085	1,253
Opening Balance	1,055	240	360	84	441	116	213	1,298
Closing Balance	240	360	84	441	116	213	1,298	2,551
	0		3 4	.74	-10	_15	2,230	_,551

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

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 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

30 May 2023 9

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.