

Coforge

BSE SENSEX S&P CNX 63,168 18,755

Motilal Oswal values your support in the Asiamoney Brokers Poll 2023 for India Research, Sales, Corporate Access and Trading team. We request your ballot.



Coforge

Stock Info

Bloomberg	COFORGE IN
Equity Shares (m)	61
M.Cap.(INRb)/(USDb)	278.8 / 3.4
52-Week Range (INR)	4650 / 3210
1, 6, 12 Rel. Per (%)	4/15/12
12M Avg Val (INR M)	1571
Free float (%)	69.8

Financials & Valuations (INR b)

Y/E Mar	2023	2024E	2025E
Sales	80.1	95.5	108.5
EBITDA (%)	17.5	17.6	18.0
PAT	6.9	11.1	12.1
EPS (INR)	113.6	181.1	198.7
Adj. PAT	8.1	11.1	12.1
Adj. EPS (INR)	133.1	181.1	198.7
EPS Gr. (%)	17.7	36.1	9.7
BV/Sh. (INR)	504.8	613.4	732.6
Ratios			
RoE (%)	27.1	32.0	29.5
RoCE (%)	23.7	24.8	25.4
Payout (%)	49.0	40.0	40.0
Valuations			
P/E (x)	34.9	25.7	23.4
P/BV (x)	9.0	7.4	6.2
EV/EBITDA (x)	19.6	16.1	13.6
Div Yield (%)	1.4	1.6	1.7

Shareholding pattern (%)

Mar-23	Dec-22	Mar-22		
30.2	40.0	40.1		
32.2	26.7	25.7		
25.4	21.3	22.4		
Others 12.2 12.0 11.8				
	30.2 32.2 25.4	30.2 40.0 32.2 26.7 25.4 21.3		

CMP: INR4,562 TP: INR4,290 (-6%)

Neutral

FY24 guidance reiterated despite adverse H2 outlook

At Coforge's Investor Day 2023, the management has reiterated its FY24 USD revenue growth guidance of 13-16% YoY, but noted persistent pressure on client spending in industries like BFSI. The company continues to benefit from its sharp focus on execution (with a 3-in-a-box model), along with relatively favourable demand in TTH (Travel, Transportation & Hospitality) followed by Insurance (especially L&A). Despite the challenging environment, Coforge remains confident about generating incremental revenues from its clients, especially from 16 priority accounts, which it expects to contribute 45% of its incremental growth in FY24. On the other hand, management commentary indicated increasing concerns about deal closures and a shift in spending to cost optimization over the last two quarters, although Coforge believes it is too small to be impacted by the slowdown. Coforge does not expect industry spending to improve over 2HFY24 vs. H1, which adds to risk on FY25 revenue growth for the industry. It expects to improve gross margin by 50bp YoY in FY24, which it plans to reinvest in SG&A and deliver flat margin (pre-RSU 18.3%) in FY24. It expects to slowly move to 35% gross margin over the medium term, resulting in 150-300bp EBITDA margin expansion.

Roadmap to reach USD2b milestone

- The primary focus is on mining its 16 priority accounts (high potential, strong relationship but small exposure) through broadening the revenue stream from each of these accounts. The management expects these accounts to contribute meaningfully in the long term and plans to expand the strategy to more accounts over the next few years.
- It expects to see three new verticals achieve scale and will start reporting them separately (Public sector plus potentially Retail and Healthcare), along with regions where it is subscale (US mid-west and south-west).
- Coforge aims to scale up its partnership-led business with Microsoft, AWS, and Salesforce, replicating its success with partners like Pega and Duck Creek.
- The management expects to achieve the USD2b revenue milestone through:
 1) USD250m from partnership-led business, 2) USD150m from new verticals,
 3) USD450m from existing clients, and 4) USD150 from new accounts.
- The management also indicated that it would fill the white gaps with few strategic acquisitions that are likely to complement its core business.

BFS – Near-term outlook remains challenging

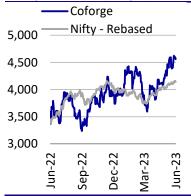
- Most of the banks are shifting from growth investments to cost take-out, and the companies do not have apatite to invest in long-term projects.
- The management indicated heightened caution from clients in BFS in the near term. The client conversations suggested muted demand for FY24.
- Coforge continues to do well in BFS, winning both small and large (USD105m transformation deal) orders.
- Growth in the BFS (~33 of revenues) is quite challenging in the near term due to Fed rate hikes, leading to global banks being cautious in their IT spending.

Mukul Garg - Research analyst (Mukul.Garg@MotilalOswal.com)

Research analyst: Raj Prakash Bhanushali (Raj.Bhanushali@MotilalOswal.com) | Pritesh Thakkar (Pritesh.Thakkar@MotilalOswal.com)

MOTILAL OSWAL





 Despite near-term headwinds, BFS should see good growth for COFORGE over the medium term on the back of four growth levers: 1) multiple scalable logos,
 2) target domain offerings, 3) ability to win large deals, and 4) geographic expansion and targeted hunting.

Healthy demand across other verticals

- The management indicated that demand is healthy across verticals. Spending on travelling and transportation is quite healthy, with demand outpacing supply.
- The momentum remains intact in insurance, with good growth in L&A (Life & Annuity). The P&C (Property & Casualty) segment is expected to have an adverse impact due to an economic slowdown, as a few of its clients have reprioritized their spending toward cost take-out programs.
- Among regions, growth in the UK is relatively stronger than in North America. The company is also diversifying its focus on EMEA, Australia, and APAC.

Optimizing margins while fueling investments for growth

- The company continued to invest rigorously in SG&A expenses between FY18 and FY23. The investment is expected to continue in FY24, with 14.8%-15% of revenue.
- The management expects SG&A growth to outpace revenue growth in FY24.
- It expects to optimize the direct cost by: (1) reducing average resource costs for delivery and improving 50bp on gross margin, (2) increasing freshers' billability with improved utilization, and (3) operating leverage.
- It expects SG&A investments to stabilize and start incentivizing in FY25.

Valuation and view

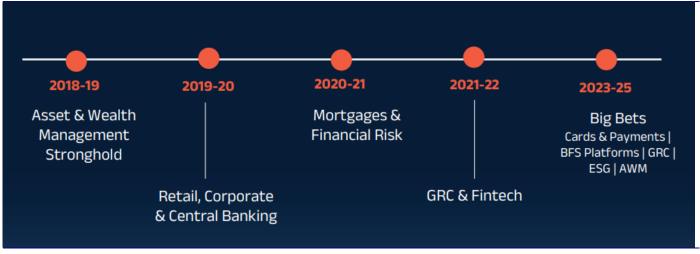
- We see COFORGE's robust growth performance and large deal wins supporting growth in FY24.
- Strong execution, robust client roasting, and continued investment in S&M have helped the company gain wallet share and deliver industry-leading growth.
- We believe the robust outlook is already factored into the price and we do not see any potential upside from here on. Our TP of INR4,290 implies 22xFY25E EPS. We reiterate our Neutral rating on fair valuations.

MOTILAL OSWAL Coforge

BFS – Good growth aspects over medium term, though near-term outlook remains weak

- The management indicated heightened caution from clients in BFS in the near term. The client conversations suggested muted demand for FY24.
- Most of the banks are shifting from growth investments to cost take-out and the companies do not have apatite to invest for long-term projects.
- COFORGE has delivered a strong 40% revenue CAGR in BFS over FY19-23. It also has won significant deals in BFS, including USD105m transformation deal and USD60m managed services deal.
- Along with the current BFS portfolio (asset and wealth, retail, central banking, mortgage, GRC, fin-tech), it will bet big on card and payments, BFS platforms, GRC, security, ESG and AWM.
- Despite near-term headwinds, BFS should see good growth for COFORGE over the medium term on the back of four growth levers: 1) multiple scalable logos,
 2) target domain offerings, 3) ability to win large deals, and 4) geographic expansion and targeted hunting.

Exhibit 1: COFORGE has rapidly expanded domain capabilities in BFS



Source: Company

Focus on cloud and partnerships to drive growth

- Though the near-term environment remains challenging (the management sees no improvement in 2HFY24 either) and clients remain cautious, the management expects strong growth in the medium term to be driven by cloud.
- The management believes that cloud transformation is an integral part for client success and therefore a slowdown in hyperscalers should be short-lived.
- Though generative AI will have some deflationary impact in the medium term in areas such as QE, testing, coding and BPO, the project duration will decrease with increasing velocity of deals. On the other hand, generative AI will speed up cloud adoption and will boost the cloud native move.
- The management's growth strategy for cloud and digital includes a) leverage hyperscalers across business lines, b) doubling down on platforms, c) driving value through cloud, data and AI, d) driving digitalization and automation at scale.

MOTILAL OSWAL Coforge

Four components to drive profitable growth

- The focus is on mining its 16 priority accounts (high potential, strong relationship but small exposure) through broadening the revenue stream from each of these accounts.
- Three new verticals, Public sector, Retail and Healthcare, should achieve scale.
- It is scaling up its partnership-led business with Microsoft, AWS, and Salesforce, replicating its success with partners like Pega and Duck Creek
- The management also indicated that it would fill the white gaps with few strategic acquisitions that are likely to complement its core business.

Exhibit 2: Drive sustainable and profitable growth ahead



Source: Company

Exhibit 3: Five-year growth plan



Source: Company

MOTILAL OSWAL

Valuation and view

• We see COFORGE's robust growth performance and large deal wins supporting growth in FY24.

- Strong execution, robust client roasting, and continued investment in S&M have helped the company gain wallet share and deliver industry-leading growth.
- We believe the robust outlook is already factored into the price and we do not see any potential upside hereon. Our TP of INR4,290 implies 22xFY25E EPS. We reiterate our Neutral rating on fair valuations.

MOTILAL OSWAL Coforge

Financials and valuations

Application of Funds

20,851

22,568

Income Statement								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Sales	29,914	36,762	41,809	46,628	64,320	80,146	95,456	1,08,535
Change (%)	7.8	22.9	13.7	11.5	37.9	24.6	19.1	13.7
Cost of revenue	19,179	23,907	27,502	31,692	43,736	54,059	64,058	72,936
SGA expenses	5,723	6,402	6,840	6,545	8,527	11,438	13,891	15,303
RSU costs	0	0	17	480	633	587	737	760
EBITDA	5,012	6,453	7,450	7,911	11,424	14,062	16,770	19,536
% of Net Sales	16.8	17.6	17.8	17.0	17.8	17.5	17.6	18.0
Depreciation	1,273	1,248	1,730	1,836	2,272	2,585	3,143	3,574
Other Income	298	476	461	113	-266	-630	477	326
PBT	4,037	5,681	6,181	6,188	8,886	10,847	14,104	16,288
Tax	950	1,404	1,229	1,302	1,468	2,208	3,244	3,746
Rate (%)	23.5	24.7	19.9	21.0	16.5	20.4	23.0	23.0
Minority Interest	0	188	238	104	530	513	-197	410
Adjusted PAT	3,087	4,089	4,714	4,782	6,888	8,126	11,057	12,132
Change (%)	9.5	32.5	15.3	1.4	44.0	18.0	36.1	9.7
Extraordinary Items	0	56	128	226	269	1,188	0	0
Reported PAT	3,087	4,033	4,586	4,556	6,619	6,938	11,057	12,132
Balance Sheet								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Share Capital	615	618	625	606	609	611	611	611
Reserves	17,125	20,105	23,340	24,055	26,722	30,214	36,848	44,127
Net Worth	17,740	20,723	23,965	24,661	27,331	30,825	37,459	44,738
Loans	179	100	48	5	3,365	3,382	2,582	1,082
Minority Interest	222	75	0	0	983	874	0	0
Other liabilities	2,710	1,670	2,443	2,043	6,073	4,360	5,193	5,904
Capital Employed	20,851	22,568	26,456	26,709	37,752	39,441	45,234	51,725
Net Block	4,500	4,191	4,013	3,902	4,452	4,455	3,940	4,081
CWIP	7	14	3	2	86	46	46	46
Intangibles	4,293	3,996	5,988	5,690	14,821	16,299	15,670	14,956
Investments	0	0	0	0	0	0	0	0
Deferred tax assets	1,719	1,397	2,884	4,245	7,976	9,970	13,127	14,926
Curr. Assets	16,179	17,992	21,510	21,295	22,209	26,064	33,892	40,650
Debtors	5,858	5,877	8,565	8,895	13,894	16,131	17,783	20,220
Cash & Bank Balance	4,102	5,194	8,195	7,999	4,468	5,699	11,082	14,727
Investments	3,733	4,033	976	247	67	88	88	88
Other Current Assets	2,486	2,888	3,774	4,154	3,780	4,146	4,938	5,615
Current Liab. & Prov	5,847	5,833	7,942	8,425	11,792	17,393	21,442	22,934
Trade payables	1,453	1,647	2,634	3,398	6,160	6,481	10,461	11,894
Other liabilities	3,685	3,852	4,979	4,802	5,316	10,552	10,552	10,552
Provisions	709	334	329	225	316	360	429	488
Net Current Assets	10,332	12,159	13,568	12,870	10,417	8,671	12,450	17,716
A conditional to a self-proceeding	20.054	22 500	20 450	26 700	27.752	20.444	45.334	E4 70E

20 June 2023 6

26,456

26,709

37,752

51,725

45,234

39,441

MOTILAL OSWAL Coforge

Financials and valuations

Dakina								
Ratios Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)	1110	1113	1120	1121	1122	1123	11272	11232
EPS	51.3	66.5	75.5	77.4	110.9	130.6	177.7	195.0
Cash EPS	72.4	85.9	101.2	103.4	143.2	153.0	228.2	252.4
Book Value	294.7	337.0	384.1	407.0	448.7	504.8	613.4	732.6
DPS	15.0	15.0	31.0	20.5	52.0	64.0	71.1	78.0
Payout % (excl.div.taxes)	29.2	22.6	41.0	26.5	46.9	49.0	40.0	40.0
Valuation (x)								
P/E	89.0	68.6	60.4	59.0	41.1	34.9	25.7	23.4
Cash P/E	63.0	53.1	45.1	44.1	31.9	29.8	20.0	18.1
EV/EBITDA	53.3	42.1	37.0	33.9	24.2	19.6	16.1	13.6
EV/Sales	8.9	7.4	6.6	5.8	4.3	3.4	2.8	2.4
Price/Book Value	15.5	13.5	11.9	11.2	10.2	9.0	7.4	6.2
Dividend Yield (%)	0.3	0.3	0.7	0.4	1.1	1.4	1.6	1.7
Profitability Ratios (%)								
RoE	17.6	21.1	21.1	19.7	26.0	27.1	32.0	29.5
RoCE	14.0	17.9	18.6	18.0	23.7	23.7	24.8	25.4
Turnover Ratios								
Debtors (Days)	66	58	63	68	65	68	65	64
Fixed Asset Turnover (x)	6.4	8.5	10.2	11.8	15.4	18.0	22.7	27.1
Cash Flow Statement								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
CF from Operations	3,951	5,240	5,633	7,121	9,089	10,532	13,326	15,706
Change in Working Capital	-128	-713	-2,664	502	-1,433	-1,027	-720	-2,708
Net Operating CF	3,823	4,527	2,969	7,623	7,656	9,505	12,606	12,998
Net Purchase of FA	-838	-676	-703	-757	-1,475	-1,537	-2,000	-3,000
Free Cash Flow	2,985	3,851	2,266	6,866	6,181	7,968	10,606	9,998
Net Purchase of Invest.	-1,866	-1,624	1,826	-1,597	-8,089	-1,179	0	0
Net Cash from Invest.	-2,704	-2,300	1,123	-2,354	-9,564	-2,716	-2,000	-3,000
Inc./(Dec.) in Equity	66	87	275	18	51	18	0	0
Proceeds from LTB/STB	0	-64	-133	-697	2,139	-1,315	-800	-1,500
Dividend Payments	-810	-1,086	-1,469	-4,852	-3,748	-4,285	-4,423	-4,853
Cash Flow from Fin.	-744	-1,063	-1,327	-5,531	-1,558	-5,582	-5,223	-6,353
Other adjustments	375	1,164	2,765	-262	-3,466	1,207	5,383	3,645
Net Cash Flow	224	-72	236	66	-65	24	0	0
Opening Cash Balance	3,502	4,101	5,193	8,194	7,998	4,467	5,698	11,081
Add: Net Cash	599	1,092	3,001	-196	-3,531	1,231	5,383	3,645
Closing Cash Balance	4,101	5,193	8,194	7,998	4,467	5,698	11,081	14,726

20 June 2023

MOTILAL OSWAL

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

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

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

20 June 2023

MOTILAL OSWAL Coforge

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.