

CAMS

Estimate change	T .
TP change	↓
Rating change	\leftarrow

CAMS IN
49
110.7 / 1.3
2833 / 2039
2/-5/-20
455

Financials & Valuations (INR b)

Y/E March	2023E	2024E	2025E
AAUM (INR t)	27.6	31.7	36.3
Revenue	9.8	11.2	12.8
EBITDA	4.3	5.0	5.9
Margin (%)	43.7	44.9	46.2
PAT	2.9	3.5	4.2
PAT Margin (%)	29	31	32
EPS	58.8	70.6	84.9
EPS Grw. (%)	0.2	20.1	20.2
BVPS	153.0	177.7	207.5
RoE (%)	41.2	42.7	44.1
Div. Payout (%)	65.0	65.0	65.0
Valuations			
P/E (x)	38.3	31.9	26.6
P/BV (x)	14.7	12.7	10.9
Div. Yield (%)	1.7	2.0	2.4

Shareholding pattern (%)

As On	Dec-22	Sep-22	Dec-21
Promoter	19.9	19.9	23.8
DII	13.7	14.9	13.3
FII	32.7	33.2	30.4
Others	33.7	32.0	32.6

FII Includes depository receipts

TP: INR2,800 (+24%) **CMP: INR2,260** Buy

Non-MF business to see traction from FY24

CAMS reported a net profit of INR736m, a decline of 5% YoY and a 10% miss on our estimates. The miss is primarily on account of lower-than-estimated AUM for Dec'22. Share of Non-MF business remained steady, which is expected to increase from 1QFY24.

- Account Aggregator, AIF/PMS RTA and Insurance Repository are likely to be the drivers for growth in non-MF business share of revenues. With most of the contracts re-negotiated, the company does not expect any large hit in case of any further cuts in TER by the regulator for AMCs.
- Our estimates broadly remain unchanged, but we lower our target price to INR2,800 with a revised P/E multiple of 33x on FY25 earnings (36x Sep'24 earnings earlier). The cut in multiple is to reflect the risks on AMC business
- The board has declared an interim dividend of INR10.5.

Revenue growth tepid with AUM growing 2.6% QoQ

- QAAUM grew 2.6% QoQ to INR27.8t. Equity AUM increased 5.7% in Dec'22 from that in Sep'22. CAMS won two MF mandates in 3QFY23 – Helios Capital and Navi Mutual Fund.
- Operating revenue was flat QoQ and marginally up 2.5% YoY at INR2.43b, registering a 5% miss on our estimates.
- The share of the non-MF business in revenue declined to 9.4% in 3QFY23 from 9.8% in 2QFY23.
- The Alternative Services segment maintained its high growth trajectory, recording a ~20% YoY revenue growth in 3QFY23.
- Record e-insurance accounts were opened and record e-policies were onboarded during the quarter. Also, the number of new EIA accounts has more than doubled over 2QFY23.
- Policy Genie Deep Contact Tracing Solution, uniquely offered by CAMS Insurance Repository, has assisted insurance companies in closing INR1,350m of unclaimed benefits till date.

Profitability improved in spite of increased investments in new business

- EBIDTA came in at INR1,082m. EBIDTA margin stood at 44.4% in 3QFY23 v/s 47.7% in 3QFY22 and 43.8% in 2QFY23. EBIDTA was 9% lower than our estimates.
- PAT was up 2% QoQ/down 5% YoY at INR736m.
- For 9MFY23, sales rose 8.4% to INR7,226m, whereas EBIDTA/PAT remained flat at INR3,122m/INR2,103m.

Key takeaways from the management commentary

- The company expects strong uptick in revenues from Non-MF businesses, such as Account Aggregator, Insurance repository and AIF/PMS RTA from 1QFY24.
- Investments in new businesses would continue especially towards technology, but profitability improvement should start from FY24.

Prayesh Jain - Research Analyst (Prayesh.Jain@MotilalOswal.com)

Research Analyst: Nitin Aggarwal (Nitin.Aggarwal@MotilalOswal.com) / Nemin Doshi (Nemin.Doshi@MotilalOswal.com)

Valuation and View

- Empirically, CAMS has traded at a premium to listed AMCs in terms of one-year forward P/E. This premium is well deserved, given: 1) the duopoly nature of the industry and high-entry barriers, 2) relatively low risk of a market share loss, and 3) higher customer ownership as compared to AMCs.
- Based on one-year forward P/E multiple, the premium enjoyed by CAMS over HDFC AMC has narrowed substantially over the last one year. This has been on account of the weak environment for the AMC industry, given the pressure on yields, outflows from the Debt segment, and rising share of passives. We expect the first two factors to reverse in the coming months, as the intensity of the fall in yields abates and debt inflows increase with the topping of bond yields.
- Our estimates broadly remain unchanged, but we lower our target price to INR2,800 with a revised P/E multiple of 33x on FY25 earnings (36x Sep'24 earnings earlier). The cut in the multiple is to reflect the risks on AMC businesses.

Quarterly Performance		FV22							(INR m			
Y/E March		FY22 FY23				3QFY23E	Est.					
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			54252	(%)
Revenue from Operations	2,012	2,276	2,377	2,432	2,366	2,424	2,436	2,537	9,097	9,763	2,560	-4.8
Change YoY (%)	35.4	33.0	27.8	21.7	17.6	6.5	2.5	4.3	28.9	7.3	7.7	
Employee expenses	724	809	832	853	933	901	871	899	3,218	3,604	891.6	-2.3
Operating expenses	192	221	228	274	267	274	282	290	905	1,113	279.2	1.1
Other Expenses	167	189	184	183	188	189	200	208	733	784	194.3	3.0
Total Operating Expenses	1,083	1,218	1,244	1,310	1,388	1,363	1,354	1,397	4,855	5,501	1,365	-0.8
Change YoY (%)	11.4	25.2	19.6	18.3	28.2	11.9	8.8	6.6	18.6	13.3	9.7	
EBITDA	929	1,057	1,133	1,122	979	1,061	1,082	1,140	4,241	4,262	1,195	-9.4
Other Income	45	44	41	43	44	74	71	73	173	262	70	1.1
Depreciation	106	119	134	157	136	147	155	154	516	592	150	3.4
Finance Cost	18	18	18	18	18	18	20	15	71	71	18	12.4
PBT	850	965	1,023	989	869	970	978	1,044	3,827	3,861	1,097	-10.8
Change YoY (%)	63.5	45.9	35.2	22.3	2.3	0.5	-4.4	5.5	39.4	0.9	7.3	
Tax Provisions	217	239	249	251	223	249	242	271	957	985	274	-11.7
Net Profit	633	726	773	738	646	721	736	773	2,870	2,877	823	-10.6
Change YoY (%)	58.6	48.2	37.0	22.7	2.2	-0.6	-4.9	4.7	39.8	0.2	6.4	
Key Operating Parameters (%)												
Revenue / AUM (bps)	3.5	3.6	3.6	3.6	3.6	3.6	3.5	3.6	3.6	3.5	3.6	-0.1
Opex / AUM (bps)	1.9	1.9	1.9	2.0	2.1	2.0	1.9	2.0	1.90	1.99	1.9	0.0
PBT / AUM (bps)	1.5	1.5	1.5	1.5	1.3	1.4	1.4	1.5	1.50	1.40	1.5	-0.1
PAT / AUM (bps)	1.1	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.13	1.04	1.1	-0.1
Cost to Operating Income Ratio	53.8	53.5	52.3	53.9	58.6	56.2	55.6	55.1	53.4	56.3	53.3	2.2
EBITDA Margin	46.2	46.5	47.7	46.1	41.4	43.8	44.4	44.9	46.6	43.7	46.7	-2.2
PBT Margin	42.3	42.4	43.0	40.7	36.7	40.0	40.1	41.2	42.1	39.5	42.9	-2.7
Tax Rate	25.6	24.8	24.4	25.4	25.6	25.6	24.8	26.0	25.0	25.5	25.0	-0.2
PAT Margin	31.4	31.9	32.5	30.4	27.3	29.8	30.2	30.5	31.6	29.5	32.1	-1.9
Opex Mix (%)												
Employee expenses	66.9	66.4	66.9	65.1	67.2	66.1	64.4	64.4	66.3	65.5	65.3	1.0
Operating expenses	17.7	18.1	18.3	20.9	19.3	20.1	20.9	20.7	18.6	20.2	20.5	-0.4
Other Expenses	15.4	15.5	14.8	14.0	13.5	13.8	14.8	14.9	15.1	14.3	14.2	-0.5
Key Parameters												
QAUM (INR b)	23,078	25,500	26,700	26,700	26,200	27,100	27,800	28,356	25,500	27,626	28,726	-3.2
Share of Equity AUM (%)	36.0	39.0	40.8	41.4	43.1	45.0	46.4		39.6	43.1		



Key takeaways from the management commentary

MF Business

- TER cut and subsuming of other expenses in the TER is being discussed in the industry as hinted by the media. In case the same is implemented, the current contracts of CAMS with AMCs do not have a re-negotiation clause. In FY19, when the last TER cut was implemented, AMCs passed on the impact mainly to distributors, while a small quantum was borne by CAMS.
- Price depleted over the past couple of years, but the higher share of equities have compensated for the same. Renewals of 11/12 customers have been at previous rates, while only 1/2 customers, wherein contract renewals were happening after five years experienced some price decline.

New businesses

Non-MF business (except Insurance repository)

- The company is aiming to double the share of non-MF revenues to 20% from 10% over the medium term, wherein AIF/PMS RTA, Insurance repository, and Account Aggregator will the key contributors. Inorganic activities will add to this growth.
- YoY growth in non-MF revenues growth was driven by CAMSPay and AIF RTA business. EKYC business has seen a decline.
- MF Central is designed like a consumer utility and the company will continue to scale it. It will take four to six quarters for this segment to breakeven.

CAMS Repository (Insurance repository)

- EKYC for insurance has started progressing well. On the other hand, the company has been able to identify the beneficiaries of the unclaimed amounts for life insurance policies and has settled the same for insurance companies.
- Two sources of revenues exist in the model 1) Outsourcing business policy servicing and calling and 2) Repository paid for a policy conversion, AMC charge, and transaction revenue. The plan is to increase the servicing component substantially for which the platform is being strengthened.
- The potential of the insurance repository business is dematerialization of 450-500m policies. From Jan 1, 2023, KYC for insurance has become mandatory, which will aid in elA adoption.
- Currently, 0.5-0.6m policies are getting converted per quarter, which will scale up to a large number, and hence, a large cut in pricing can be expected.
- CAMS has a 35% market share currently and it aims to increase the market share once the final regulation sets in.

Financials

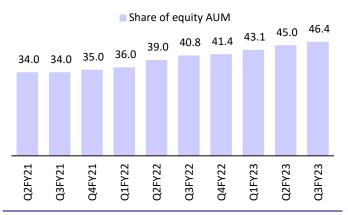
- Investments in new businesses have continued and the benefits of the same in terms of profitability will be reflected from 1QFY24. Gap between expenses and revenues will be the highest in 4Q and will taper down going ahead.
- While the investments will continue at the current run rate, scale up of revenues from Account Aggregator, Insurance repository, NPS CRA, and AIF/PMS RTA should start from 1QFY24.
- Current cash balance with the company stands at INR4.74b.

Exhibit 1: AUM sees a QoQ uptick of 3% (INR t)

AUM (INR t) 26 27 27 26 27 28 16 18 19 19 17 19 21 22 23 25 27 27 26 27 28 16 18 19 19 17 19 21 22 23 25 27 27 26 27 28 27 27 26 27 28 28 27 27 26 27 28 28 27 27 26 27 28

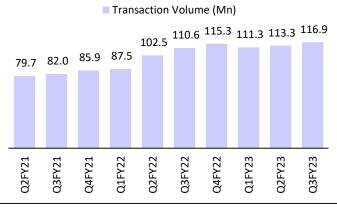
Source: Company, MOFSL

Exhibit 2: Share of equity AUM continues to improve (%)



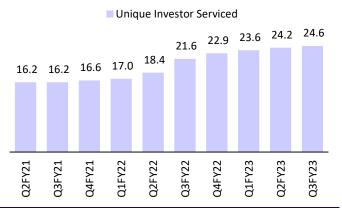
Source: Company, MOFSL

Exhibit 3: Strong traction in SIP transactions (m)



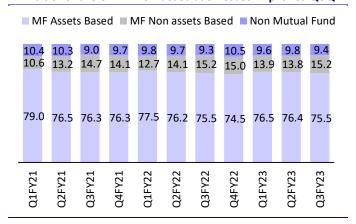
Source: Company, MOFSL

Exhibit 4: Trend in unique investor serviced (m)



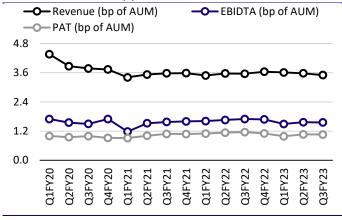
Source: Company, MOFSL

Exhibit 5: Share of MF non-asset businesses improves QoQ



Source: MOFSL, Company

Exhibit 6: Trend in key parameters



Source: MOFSL, Company

Tweak estimates to factor in the 2QFY23 miss

INR b		Old Est.			New Est.		Change (%)		
	FY23	FY24	FY25	FY23	FY24	FY25	FY23	FY24	FY25
Revenue from Operations	9,929	11,366	13,022	9,763	11,189	12,835	-1.7	-1.6	-1.4
Change YoY (%)	9	14	15	7	15	15	-1.8	0.1	0.1
Employee expenses	3,700	4,144	4,641	3,604	4,036	4,520	-2.6	-2.6	-2.6
Operating expenses	1,874	2,098	2,350	1,897	2,125	2,380	1.3	1.3	1.3
Total Operating Expenses	5,574	6,243	6,992	5,501	6,161	6,900	-1.3	-1.3	-1.3
EBITDA	4,356	5,123	6,030	4,262	5,028	5,935	-2.1	-1.9	-1.6
Other Income	262	279	339	262	279	339	0.0	0.0	0.0
Depreciation/Finance Cost	654	691	728	663	700	738	1.4	1.3	1.3
PBT	3,964	4,711	5,640	3,861	4,606	5,536	-2.6	-2.2	-1.8
Change YoY (%)	4	19	20	1	19	20	-2.7	0.5	0.4
Tax Provisions	1,031	1,178	1,410	985	1,152	1,384	-4.5	-2.2	-1.8
Net Profit	2,933	3,533	4,230	2,877	3,455	4,152	-1.9	-2.2	-1.8
AAUM (INR b)	28,252	32,321	37,000	27,626	31,656	36,299	-2.2	-2.1	-1.9
Yields on revenue (bps)	4	4	4	3.5	3.5	3.5	0.0	0.0	0.0
RoE	42.0	43.5	44.6	41.2	42.7	44.1	-0.8	-0.8	-0.5
Dividend payout ratio	65.0	65.0	65.0	65.0	65.0	65.0	0.0	0.0	0.0

Financials and valuations

Income Statement Y/E March	2020	2021	2022	2023E	2024E	2025E
·						
Revenue	6,996	7,055	9,097	9,763	11,189	12,835
Change (%)	1	1	29	7	15	15
Employee expense	2,580	2,624	3,218	3,604	4,036	4,520
Other expenses	1,544	1,471	1,638	1,897	2,125	2,380
Operating Expenses	4,124	4,094	4,855	5,501	6,161	6,900
EBITDA	2,873	2,961	4,241	4,262	5,028	5,935
Change (%)	18	3	43	0.5	18.0	18.0
Dep/Interest/Provisions	582	513	587	663	700	738
Other Income	217	298	173	262	279	339
PBT	2,508	2,745	3,827	3,861	4,606	5,536
Change (%)	25	9	39	0.9	19.3	20.2
Tax	773	692	957	985	1,152	1,384
Tax Rate (%)	31	25	25	25.5	25.0	25.0
PAT	1,735	2,053	2,870	2,877	3,455	4,152
Change (%)	33	18	40	0.2	20.1	20.2
Dividend	594	2,488	1,895	1,870	2,246	2,699
Balance Sheet						INR m
Y/E March	2020	2021	2022	2023E	2024E	2025E
Equity Share Capital	488	488	489	489	489	489
Reserves & Surplus	5,001	4,671	5,987	6,994	8,203	9,656
Net Worth	5,489	5,159	6,476	7,483	8,692	10,146
Borrowings	0	0	0	0	0	0
Other Liabilities	2,542	3,260	3,094	3,391	3,754	4,157
Total Liabilities	8,030	8,419	9,571	10,874	12,446	14,303
Cash and Bank balance	504	1,803	1,510	1,338	1,735	2,431
Investments	3,056	2,355	3,170	4,370	5,570	6,770
Net Fixed Assets	3,090	2,840	3,141	3,249	3,019	2,752
Current Assets	1,380	1,421	1,750	1,918	2,122	2,349
Total Assets	8,030	8,419	9,571	10,874	12,446	14,303

E: MOFSL Estimates

Financials and valuations

Cash flow Y/E March	2020	2021	2022	2023E	2024E	INR m 2025E
Profit after Tax	1,734	2,053	2,870	2,877	3,455	4,152
Adjustments	-126	2,033 199	729	401	3,433 422	399
•		697	(129)	265	309	342
Change in Working Capital Cashflow from Operating activities	(237)					
	1,371	2,950	3,470	3,542	4,185	4,892
Other Income	217	298	173	262	279	339
Change in Current Investments	-751	701	-815	-1,200	-1,200	-1,200
Change in Fixed Asset	174	-63	-791	-700	-400	-400
Others	-128	-20	-365	-137	-150	-165
Cashflow from Investing activities	-489	915	-1,798	-1,774	-1,472	-1,427
Interest Expense	-97	-79	-71	-71	-71	-71
Dividend Expense	-716	-2,488	-1,895	-1,870	-2,246	-2,699
Cashflow from Financing activities	-813	-2,567	-1,966	-1,941	-2,316	-2,769
Net Cashflow	69	1,298	(293)	(173)	397	696
Opening Cashflow	435	504	1,803	1,510	1,338	1,735
Closing Cashflow	504	1,803	1,510	1,338	1,735	2,431
Y/E March	2020	2021	2022	2023E	2024E	2025E
AAAUM (INR B)	18,149	19,984	25,500	27,626	31,656	36,299
Change (%)	14.6	10.1	27.6	8.3	14.6	14.7
Equity	6,706	6,806	10,100	11,918	14,063	16,595
Non-Equity	11,443	13,178	15,400	15,708	17,593	19,704
E: MOFSL Estimates						
Y/E March	2020	2021	2022	2023E	2024E	2025E
Margins Analysis (%)						
Revenue Yield (bps)	3.85	3.53	3.57	3.53	3.53	3.54
Cost to Income Ratio	58.9	58.0	53.4	56.3	55.1	53.8
EBITDA Margins	41.1	42.0	46.6	43.7	44.9	46.2
PBT Margin	35.8	38.9	42.1	39.5	41.2	43.1
PAT Margin	24.8	29.1	31.6	29.5	30.9	32.3
Profitability Ratios (%)			0=10			
RoE	34.8	38.6	49.3	41.2	42.7	44.1
Dividend Payout Ratio	34.2	121.2	66.0	65.0	65.0	65.0
Dividend Layout Natio	34.2	121.2	00.0	03.0	03.0	03.0
Dupont Analysis (Bps of AAAUM)						
Y/E March	2020	2021	2022	2023E	2024E	2025E
Operating Income	3.9	3.5	3.6	3.5	3.5	3.5
Operating Expenses	2.3	2.0	1.9	2.0	1.9	1.9
EBITDA	1.6	1.5	1.7	1.5	1.6	1.6
Depreciation and Others	0.3	0.3	0.2	0.2	0.2	0.2
Other Income	0.1	0.1	0.1	0.1	0.1	0.1
PBT	1.4	1.4	1.5	1.4	1.5	1.5
Tax	0.4	0.3	0.4	0.4	0.4	0.4
ROAAAUM	1.0	1.0	1.1	1.0	1.1	1.1
Valuations	2020	2021	2022	2023E	2024E	2025E
BVPS (INR)	112	105	132	153	178	207
Change (%)	22.1	-6.0	25.5	15.5	16.2	16.7
Price-BV (x)	20.1	21.4	17.0	14.7	12.7	10.9
EPS (INR)	35.5	42.0	58.7	58.8	70.6	84.9
Change (%)	32.5	18.4	39.8	0.2	20.1	20.2
Price-Earnings (x)	63.6	53.7	38.4	38.3	31.9	26.6
DPS (INR)	12.1	50.9	38.8	38.2	45.9	55.2
- · • ()						

NOTES

Explanation of Investment Rating	
Investment Rating	Expected return (over 12-month)
BUY	>=15%
SELL	<-10%
NEUTRAL	< - 10 % to 15%
UNDER REVIEW	Rating may undergo a change
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOFSL) 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%20

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.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.

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 broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 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
- 10 MOFSL has not engaged in market making activity for the subject company

9 8 February 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

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No::022-71881085.

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; Research Analyst: INH000000412. AMFI: ARN.: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products. Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.