

Piramal Pharma

Estimate change TP change Rating change

Bloomberg	PIRPHARM IN
Equity Shares (m)	1323
M.Cap.(INRb)/(USDb)	126.3 / 1.5
52-Week Range (INR)	175 / 62
1, 6, 12 Rel. Per (%)	-4/32/-46
12M Avg Val (INR M)	608
Free float (%)	65.0

Financials & Valuations (INR b)

Tillaticials & Valuacions (IIVIV b)					
Y/E MARCH	FY23	FY24E	FY25E		
Sales	70.8	79.2	89.0		
EBITDA	7.3	11.5	13.3		
Adj. PAT	(8.0)	1.9	4.0		
EBIT Margin (%)	0.7	5.7	6.8		
Cons. Adj. EPS (INR)	(0.6)	1.4	3.0		
EPS Gr. (%)	NA	NA	112.1		
BV/Sh. (INR)	56.8	67.1	70.5		
Ratios					
Net D:E	0.8	0.5	0.5		
RoE (%)	(1.2)	2.5	4.9		
RoCE (%)	3.7	3.3	4.7		
Payout (%)	NA	17.6	17.6		
Valuations					
P/E (x)	NA	69.0	32.5		
EV/EBITDA (x)	25.1	15.1	13.1		
Div. Yield (%)	0.5	0.2	0.5		
FCF Yield (%)	(0.0)	0.0	0.0		
EV/Sales (x)	2.6	2.2	2.0		

Shareholding pattern (%)

As On	Sep-23	Jun-23	Sep-22
Promoter	35.0	34.8	34.8
DII	8.0	5.5	4.9
FIIFIIFII	32.8	35.4	47.8
Others	24.2	24.3	12.6

FII Includes depository receipts

CMP: INR95 TP: INR115 (+20%) Buy

Healthy recovery in operational performance

Higher interest costs hurt earnings

- Piramal Pharma (PIRPHARM) delivered a better-than-expected operational performance in 2QFY24, led by better traction in the CDMO and India consumer product (ICP) segments. However, higher interest costs resulted in a modest PAT of INR50m, compared to EBITDA of INR2.6b.
- We maintain our estimates for FY24/FY25. We value PIRPHARM on SOTP basis (11x EV/EBITDA for CDMO/CHG; 12x EV/EBITDA for ICP; 18x PE multiple for Allergen JV earnings) to arrive at a TP of INR115.
- PIRPHARMA has delivered a healthy improvement in EBITDA margin, supported by a superior segment mix and better operating leverage. While the company reduced its debt by INR10.5b to INR38b through a rights issue, we continue to monitor its efforts to further reduce its financial leverage. Maintain BUY.

Low RM costs and controlled opex boost margins on YoY basis

- 2QFY24 revenue grew 11% YoY to INR19.1b (our est: INR19.2b). CDMO segment's (56% of total sales) revenue grew 13.6% YoY to INR10.7b. Complex hospital generics segment's (CHG; 31% of total sales) revenue rose 4.8% YoY to INR5.9b. India consumer healthcare segment's (ICH; 13% of total sales) revenue jumped 13% YoY to INR2.6b.
- Gross margin expanded 520bp YoY to 66.6% due to product mix change.
- EBITDA margin expanded 390bp YoY to 13.9% (our est: 11.5%), largely due to lower employee expenses (down 30bp as a % of sales), offset by higher other expenses (up 170bp as a % of sales).
- As a result, EBITDA grew 54% YoY to INR2.7b (our est: INR2.2b) in 2Q.
- Interest costs rose 32% YoY to INR1.1b in 2QFY24.
- During the quarter, PIRPHARM reported a profit of INR50m vs. a loss of INR274m in the previous quarter (our estimated profit was INR278m).
- For 1HFY24, revenue/EBITDA grew 14%/54% YoY to INR36.6b/INR3.9b, while adj. loss widened by 30% YoY to INR936m.

Highlights from the management commentary

- PIRPHARM expects revenue growth in high-teens in 2HFY24.
- It expects gross margin of 64-65% in FY24
- The company witnessed 40% higher orders (development and new commercial orders) in 1HFY24 vs. 1HFY23.
- PIRPHARM also saw better demand for its generic APIs during the quarter.

Consolidated - Quarterly Earning	g Model										INR	m
PPL Income statement (INRm)		FY	23			FY2	.4E		FY23	FY24E	FY24E	% var
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE	_		2QE	
Revenues	14,820	17,200	17,160	21,636	17,489	19,114	20,043	22,584	70,816	79,229	19,206	0%
Growth YoY (%)	13.0	9.0	11.5	1.5	18.0	11.1	16.8	4.4	8.0	11.9	11.7	
Expenses	13,969	15,475	15,962	18,123	16,165	16,457	16,976	18,150	63,529	67,749	16,988	
CDMO	7,700	9,400	10,210	12,850	8,980	10,680	11,435	13,482	40,160	44,578	10,528	1%
CHG	5,080	5,620	5,140	7,020	6,170	5,890	6,168	7,147	22,860	25,375	6,294	-6%
ICP	2,110	2,270	2,140	2,060	2,390	2,560	2,440	1,888	8,590	9,277	2,384	7%
EBITDA*	851	1,726	1,197	3,513	1,323	2,656	3,067	4,434	7,286	11,481	2,218	20%
Margin (%)	5.7	10.0	7.0	16.2	7.6	13.9	15.3	19.6	10.3	14.5	11.5	
Growth YoY (%)	-34.3	-12.2	-46.9	-11.7	55.5	53.9	156.1	26.2	-23.3	57.6	28.5	
Depreciation	1,617	1,662	1,644	1,844	1,736	1,845	1,760	1,629	6,767	6,970	1,720	
EBIT	-766	64	-447	1,669	-413	811	1,307	2,806	520	4,511	498	63 %
Other income	719	462	825	245	383	492	510	515	2,251	1,900	480	
Interest expense	623	830	947	1,043	1,185	1,099	890	911	3,442	4,085	750	
Share from Asso. Co	199	111	156	78	144	191	140	90	543	565	120	
PBT	-471	-193	-412	949	-1,071	396	1,067	2,500	-128	2,891	348	14%
EO Expenses/(gain)	680	70	324	-	-	-	-	-	1,074	-	-	
Taxes	-61	111	165	448	-85	345	245	507	663	1,012	70	
Tax Rate (%)	5.3	-42.2	-22.5	47.2	8.0	87.3	23.0	20.3	-55.2	35.0	20.0	
Reported PAT	-1,091	-373	-902	501	-986	50	821	1,994	-1,865	1,879	278	-82%
Adj. PAT	-446	-274	-578	501	-986	50	821	1,994	-798	1,879	278	-82%
Change (%)	NA	NA	NA	-75.4	NA	LP	LP	297.8	NA	NA	LP	

E: MOFSL Estimates

Key takeaways from the management commentary

PIRPHARM is expanding capacities to meet demand for Inhalation Anesthesia (IA) products. It is building a pipeline of 28 products at various stages of development.

- It launched 7 products and 2 SKUs in ICP segment during 2QFY24. E-commerce grew 34% YoY and formed 16% of ICP sales for the quarter.
- The company successfully completed a rights issue of INR10.5b and reduced its net debt to INR38b.
- USFDA concluded its inspection at the Bethelem facility with two observations. Both the observations are related to system improvements.
- Power Brands in ICP segment (Littles, Lacto Calamine, Polycrol, Tetmosol and Irange) grew 15% YoY in H1FY24 and contributed to 42% of ICP sales in 2Q.
- It expects ETR to be around 25%.

30 October 2023

Valuation and view

Improved revenue visibility/operating leverage to drive growth Strong order inflows to strengthen CDMO business outlook

- In 1HFY24, CDMO sales grew 15% YoY to INR19.6b due to healthy demand for innovation and differentiated offering and YoY pickup in generic API segment.
- PIRPHARMA continues to see 40% YoY higher order inflows due to rising demand for the innovation and differentiated offerings and a partial recovery of the biotech funding.
- With cost optimization measures taken earlier, PIRPHARM's profitability has increased, aided by softening of raw material cost and change in revenue mix.
- The capacity expansion at Grangemouth and the successful completion of the USFDA inspection at its 5 facilities (contributing 50% of the CDMO revenue) to further boost revenue growth.
- We expect an 11% sales CAGR over FY23-25 to INR49.9b in this segment.

Market share gain/capacity expansion to boost growth in CHG segment

- In 1HFY24, CHG sales grew 13% YoY to INR12b, primary on account of volume-led growth in IA.
- PIRPHARM is experiencing consistent volume growth in Sevoflurance in the US and ROW markets. The volume market-share as on 2023 has reached 44% as per IOVIA.
- EBITDA margin is improving due to a better product mix and cost optimization. Moreover, the ongoing backward integration its key products like Sevoflurance at its Dahej plant will further improve margins.
- We expect the CHG segment to clock a 12% revenue CAGR to INR28.9b over FY23-25.

Focus on Power brands/E-commerce to fuel growth in ICH segment

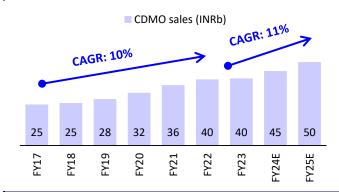
- In 1HFY24, ICH sales increased by 13% YoY to INR4.9b. Growth was led by 18 new launches/5 SKUs, supported by growth momentum in existing brands.
- Power brands maintained their upward trend in 1HFY24, accounting for 42% of ICH sales. Additionally, in 2QFY24, e-commerce expanded by more than 34% YoY and accounted for 16% of ICH revenues. In 2QFY24, lacto-calcamine product growth was 19% YoY, driven by strong e-commerce momentum.
- In addition to new launches, PIRPHARM is steadily investing in media and power brands, we expect the CHG segment to post an 8% revenue CAGR to INR10b over FY23-25.

Reiterate BUY

- We maintain our estimates for FY24/FY25. We value PIRPHARM on SOTP basis (11x EV/EBITDA for CDMO/CHG; 12x EV/EBITDA for ICP; 18x PE multiple for Allergen JV earnings) to arrive at a TP of INR115.
- PIRPHARMA has delivered healthy improvements in EBITDA margin, supported by a superior segment mix and better operating leverage. While the conclusion of a recent rights issue has helped reduce debt by INR10.5b to INR38b, we continue to monitor efforts to further reduce the financial leverage. Maintain BUY.

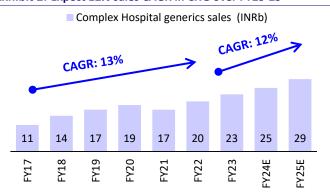
Story in charts

Exhibit 1: Expect 11% sales CAGR in CDMO over FY23-25



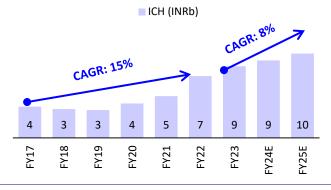
Source: MOFSL, Company

Exhibit 2: Expect 12% sales CAGR in CHG over FY23-25



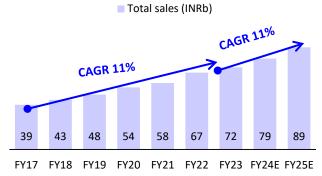
Source: MOFSL, Company

Exhibit 3: Expect 8% sales CAGR in ICH over FY23-25



Source: MOFSL, Company

Exhibit 4: Expect 11% CAGR in total sales over FY23-25



Source: MOFSL, Company

Financials and valuations

Consolidated - Income Statement				(INR m)
Y/E March	FY22	FY23	FY24E	FY25E
Total Income from Operations	65,591	70,816	79,229	88,966
Change (%)	NA	8.0	11.9	12.3
EBITDA	9,497	7,286	11,481	13,343
Margin (%)	14.5	10.3	14.5	15.0
Depreciation	5,862	6,767	6,970	7,318
EBIT	3,635	520	4,511	6,025
Int. and Finance Charges	1,983	3,442	4,085	3,403
Other Income	2,758	2,251	1,900	2,100
Share of net profit of associates	590	543	565	593
PBT bef. EO Exp.	5,001	-128	2,891	5,315
EO Items	151	1,074	0	0
PBT after EO Exp.	4,850	-1,202	2,891	5,315
Total Tax	1,090	663	1,012	1,329
Tax Rate (%)	22.5	-55.2	35.0	25.0
Minority Interest	0	0	0	0
Reported PAT	3,760	-1,865	1,879	3,987
Adjusted PAT	3,879	-798	1,879	3,987
Change (%)	NA	NA	NA	112.1
Margin (%)	5.9	-1.1	2.4	4.5

Cons Balance sheet				(INR m)
Y/E March	FY22	FY23	FY24E	FY25E
Equity Share Capital	11,859	11,933	13,230	13,230
Other equity	55,107	55,802	66,888	70,875
Net Worth	66,966	67,735	80,118	84,105
Minority Interest	0	0	0	0
Total Loans	41,283	56,421	46,421	46,421
Deferred Tax Liabilities	1,920	2,193	2,193	2,193
Capital Employed	1,10,169	1,26,349	1,28,732	1,32,719
Gross Block	36,288	42,652	43,808	45,735
Less: Accum. Deprn.	5,862	6,767	6,970	7,318
Net Fixed Assets	30,426	35,885	36,838	38,416
Goodwill on Consolidation	10,305	11,075	11,075	11,075
Intangible assets	33,053	33,382	33,382	33,382
Capital WIP	6,732	8,529	8,529	8,529
Total Investments	3,123	2,334	2,334	2,334
Curr. Assets, Loans&Adv.	36,043	43,078	44,736	48,314
Inventory	13,888	16,814	18,234	20,662
Account Receivables	17,853	17,993	18,451	21,206
Cash and Bank Balance	3,290	3,076	2,857	1,251
Loans and Advances	1,013	5,195	5,195	5,195
Curr. Liability & Prov.	13,172	13,600	13,828	14,998
Account Payables	10,264	11,927	12,156	13,325
Other Current Liabilities	2,445	1,074	1,074	1,074
Provisions	464	599	599	599
Net Current Assets	22,871	29,478	30,908	33,316
Deferred Tax assets	2,973	3,493	3,493	3,493
Misc Expenditure	687	2,172	2,172	2,172
Appl. of Funds	1,10,169	1,26,349	1,28,732	1,32,718

E: MOFSL Estimates

Financials and valuations

Ratios				
Y/E March	FY22	FY23	FY24E	FY25E
Basic (INR)				
EPS	2.9	-0.6	1.4	3.0
Cash EPS	8.2	5.0	7.4	9.5
BV/Share	56.1	56.8	67.1	70.5
DPS	0.4	0.5	0.2	0.5
Payout (%)	15.6	NA	17.6	17.6
Valuation (x)				
P/E	33.4	NA	69.0	32.5
Cash P/E	12.0	19.6	13.2	10.3
P/BV	1.7	1.7	1.5	1.4
EV/Sales	2.6	2.6	2.2	2.0
EV/EBITDA	17.7	25.1	15.1	13.1
Dividend Yield (%)	0.4	0.5	0.2	0.5
FCF per share	0.0	0.0	0.0	0.0
Return Ratios (%)				
RoE	5.8	-1.2	2.5	4.9
RoCE	NA	3.7	3.3	4.7
RoIC	5.8	1.4	5.1	7.5
Working Capital Ratios	3.0	2	3.1	7.3
Asset Turnover (x)	0.6	0.6	0.6	0.7
Inventory (Days)	77	87	84	85
Debtor (Days)	99	93	85	87
Creditor (Days)	57	61	56	55
Leverage Ratio (x)	3,	01	30	33
Net Debt/Equity	0.5	0.8	0.5	0.5
Cons Cash flow statement				(INR m)
Y/E March	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	4,410	-1,675	2,891	5,315
Depreciation	5,862	6,767	6,970	7,318
Interest & Finance Charges	1,983	1,983	1,983	1,983
Direct Taxes Paid	-1,694	-1,694	-1,694	-1,694
(Inc)/Dec in WC	-3,013	-2,710	-1,649	-4,014
CF from Operations	7,664	4,839	11,285	10,694
Others	0	0	0	0
CF from Operating incl EO	7,664	4,839	11,285	10,694
(Inc)/Dec in FA	-8,571	-9,451	-7,923	-8,897
Free Cash Flow	-907	-4,612	3,362	1,797
(Pur)/Sale of Investments	-485	-3,751	0	0
Investment in Associate	-7,907	0	0	0
Others	-1,158	-186	0	0
CF from Investments	-18,121	-13,388	-7,923	-8,897
Issue of Shares	0	0	10,504	0
Inc/(Dec) in Debt	9,830	11,558	-10,000	0
Interest Paid	-1,388	-2,710	-4,085	-3,403
Dividend Paid	-500	-670	0	0
CF from Fin. Activity	7,942	8,178	-3,581	-3,403
			-219	-1,606
· · · · · · · · · · · · · · · · · · ·	-2,515	-3/1	-213	-1,000
Inc/Dec of Cash	-2,515 2,620	- 371 3,290		
Inc/Dec of Cash Opening Balance	-2,515 2,620 105	3,290	3,076	2,857
Inc/Dec of Cash Opening Balance Closing Balance	2,620 105	3,290 2,919		
Inc/Dec of Cash Opening Balance	2,620	3,290	3,076 2,857	2,857 1,251

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

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

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

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

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate Motilal Oswal Financial Services Limited are available 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 website at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at 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.

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

30 October 2023

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

This report is meant for the clients of Motilal Oswal only.

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:

Chevance realessar cen.		
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.