

## India

## **HOLD** (previously ADD)

Sell 3 Consensus ratings\*: Buy 32 Hold 8 Current price: Rs539 Rs545 Target price: Previous target: Rs545 Up/downside: 1.1% InCred Research / Consensus: -4.1% MRCO.NS Reuters: MRCO IN Bloombera: US\$8,457m Market cap: Rs697,163m US\$9.9m Average daily turnover: Rs812.4m Current shares o/s: 1,291.2m 40.5% Free float: \*Source: Bloomberg

### Key changes in this note

- Downgrade our rating to HOLD from ADD.
- > Reduce FY23F-24F EPS by 9.5%/5.9%.
- Introduce FY25F estimates.



	Source: Bloomberg		
Price performance	1M	ЗМ	12M
Absolute (%)	2.5	1.4	(3.3)
Relative (%)	(2.1)	(2.8)	(4.7)

Major shareholders	% held
Promoter	59.5
First State Investments ICVC	5.6
LIC	4.0

### Analyst(s)



### Harsh SHAH

**T** (91) 22 4161 1568

E harsh.shah@incredcapital.com

#### **Rohan KALLE**

T (91) 22 4161 1561

E rohan.kalle@incredcapital.com

# **Marico Ltd**

# Fairly priced

- Marico's 2QFY23 consolidated sales grew 3.2% yoy (3-year CAGR of 10.9%).
   Domestic value/volume growth was flat/3% yoy. IBD reported 11% CC growth.
- Growth expectations in 2HFY23F remain subdued with mid-single volume growth (lower value growth) and 18-19% EBITDA margin for FY23F.
- Current valuation limits the upside. Downgrade to HOLD (from ADD) with an unchanged target price of Rs545 (43x Sep 2024F EPS).

### Subdued growth expectations for 2HFY23F

Marico's domestic business posted flat yoy sales growth and 3% yoy volume growth in 2QFY23. Urban and premium discretionary (off a low base) consumption categories did well while rural markets reeled under pressure. Parachute posted volume/value decline of 3%/11% yoy, respectively, as continued copra price corrections (frequent price cuts affect trade as channel inventory is 6-8 weeks) led to lower conversion to branded products. Weakness in value-added hair oil (VAHO) continues (up just 2% yoy) due to stress in rural markets. Vegetable oil price correction led to a decline of 2% in Saffola edible oils, as per our estimate. Foods portfolio grew 26% yoy, contributing 8.5% to standalone sales. With new launches likely in 2HFY23F, Marico remains confident of achieving Rs6.5bn sales in FY23F. Premium personal care and digital first brands grew on a low base, contributing 3.9%/3.3%, respectively, to standalone sales. While management expects volume growth to recover to mid-single digit (vs. double-digit expected earlier) in 2HFY23F, price cuts in Parachute and volatility in edible oil prices to result in lower value growth.

## IBD sustains momentum; Bangladesh growth trajectory tapers off

International business division (IBD) posted a broad-based constant currency (CC) growth of 11% yoy. Notably, Bangladesh's pace of growth (on CC basis) slowed to 10% (for the second consecutive quarter) from mid-teens earlier. South-East Asia grew 10% (CC) led by strong growth in Vietnam. MENA region and South Africa grew 11%/16% in CC terms, respectively. Absolute ad spends in IBD were highest (at Rs1bn) in 2QFY23 dragging down subsidiary's EBITDA margin by 400bp yoy to 21.3% (gross margin down 150bp to 61.2%).

### Margins to remain rangebound

Consolidated gross margin expanded by 120bp yoy to 44.3% in 2QFY23. Domestic ad spends fell 3.4% yoy (down 20bp yoy) while consolidated ad spends grew 9.8% yoy. EBITDA grew 2.4% yoy while EBITDA margin contracted 10bp yoy to 17.3% (1H EBITDA margin at 19%) with management giving guidance of a 18-19% EBITDA margin for FY23F.

#### Fairly priced; downgrade to HOLD

With subdued expectations from 2HFY23F and limited upside given the current valuation, we downgrade Marico to HOLD (ADD earlier) with unchanged target price of Rs545 (43x Sep 2024F EPS). Downside risks: Input cost volatility, and slower-than-expected ramp-up in food, personal care & D2C portfolios. Upside risk: Faster recovery in rural markets.

Financial Summary	Mar-21A	Mar-22A	Mar-23F	Mar-24F	Mar-25F
Revenue (Rsm)	80,480	95,120	97,430	108,382	119,497
Operating EBITDA (Rsm)	15,920	16,810	17,833	20,690	23,261
Net Profit (Rsm)	11,620	11,270	13,371	15,370	17,113
Core EPS (Rs)	9.0	8.7	10.4	11.9	13.3
Core EPS Growth	10.7%	(3.0%)	18.6%	15.0%	11.3%
FD Core P/E (x)	59.86	61.72	52.02	45.25	40.65
DPS (Rs)	6.0	6.0	6.5	7.5	8.3
Dividend Yield	1.29%	1.29%	1.42%	1.62%	1.79%
EV/EBITDA (x)	42.94	40.89	38.03	32.58	28.76
P/FCFE (x)	38.41	73.53	33.07	56.26	47.65
Net Gearing	(37.6%)	(25.7%)	(47.7%)	(52.8%)	(58.6%)
P/BV (x)	21.47	20.78	18.81	16.93	15.21
ROE	37.1%	34.2%	38.0%	39.4%	39.4%
% Change In Core EPS Estimates			(9.46%)	(5.90%)	
InCred Research/Consensus EPS (x)					

SOURCE: INCRED RESEARCH, COMPANY REPORTS



# Fairly priced

## Key takeaways from the earnings call

### **Demand and operating environment**

- Barring an uptick in Sep 2022, FMCG industry volume declined for the fourth consecutive quarter. Home and personal care (HPC) categories witnessed high single-digit decline while foods category reported minor growth.
- In the HPC category, owing to inflation, bottom-of-the-pyramid customers are seen downtrading. Categories with higher market penetration levels like soaps, hair oils and shampoos don't typically witness tightening but see downtrading.
- Rural markets have been lagging urban markets (rural demand has started shrinking in 3QFY22) but are expected to grow in 2HFY23F. Due to high food inflation, both urban and rural customers typically tighten FMCG spending (visible more in rural markets currently). Premium discretionary categories continue to perform well, which were impacted more during the Covid-19 pandemic, leading to optically higher growth now.

### **India business**

- Parachute: Sluggishness seen in conversion from loose coconut oils due to
  the continuous correction in copra prices, despite this being an off-season for
  copra (as demand is lower). Marico has been catching up with pricing and is in
  the midst of further price cuts (takes 6-8 weeks for price cuts to land in the
  market vs. 8-10 days for Saffola edible oils). In 2QFY23, Parachute rigids
  declined 3%/11% yoy in volume/value terms, respectively.
- **Edible oils:** Saffola's volume recovered smartly after a dip in 1QFY23 driven by smaller packs and a correction in vegetable oil prices. The focus is on penetration-led market share gains.
- VAHO posted subdued growth (up just 2% yoy) owing to stress in rural markets (downtrading visible). Mid and premium categories performed better. Overall hair oil sales growth tracks HPC growth. Marico will continue to remain competitive at the bottom of the pyramid, but will also protect margins.

### Foods:

- Oats and soya chunks performed well. Oodles and peanut butter are growing well while mayonnaise is yet to catch up. Fittify is another brand which can be scaled up.
- Soya bhurji (Rs15/35gm trial pack) and millet oats were launched during the quarter. Soya bhurji is expected to grow using learnings from oats (conversion of category from breakfast to snacking between meals). Larger packs of soya bhurji will be rolled out once the pilot phase is completed. Within plant proteins, Marico will focus on nutrition vs. meat alternatives.
- Saffola Honey Gold (at the premium end) was also launched. In Sep 2022, when the company phased out old products of Honey, there was a market share dip which normalized once the new range was rolled out.
- Saffola has evolved into a 'healthy' brand, with healthy offerings across categories. The focus will remain on healthy categories in the food portfolio.
- At the current revenue run-rate for the food franchise, FY23F revenue is expected to close at Rs6.5bn.
- Marico will not be focusing on the hotel, restaurant and café (HORECA) segment in foods category in the near term as it isn't as profitable (lower margin than Saffola edible oils) unless the focus is on scale.
- Digital first brands are performing well. The company continues to look for inorganic opportunities in this segment.



- Premium personal care categories provide significantly higher gross margin (despite A&P spends) and are now ahead of pre-Covid levels (largely impacted due to the pandemic). The company now has a portfolio of brands in male grooming (Breardo is majorly offline; being rolled out gradually in offline channels), hair gels are largely general trade (GT) channel-led. In serums and male grooming, the focus will be on innovation to compete on online channels and in modern trade channels.
- Outlook: Management expects to deliver mid-single digit volume growth
  in 2HFY23F (earlier, double-digit expected) and targets 18-19% EBITDA
  margin in FY23F. Management does not plan to gain volume or value market
  share at an unsustainable margin. Once pricing of Parachute settles down
  (price drops in line), then volume is expected to pick up. VAHO is expected to
  mirror overall HPC growth. The focus will be on growing foods business and
  diversifying digital brands while edible oils are expected to deliver high singledigit growth in the medium term.

### International business

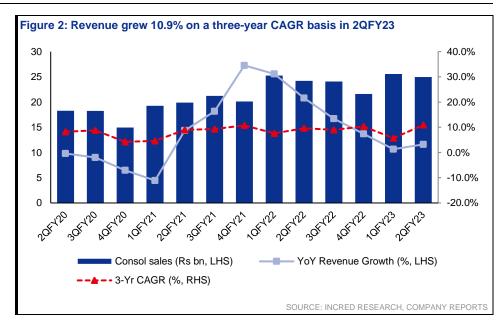
- Delivered 11% CC growth.
- Bangladesh was resilient despite a challenging environment.
- · Vietnam saw good growth in the HPC category.
- MENA region and South Africa saw stable growth. The company is investing in growth in the MENA region.

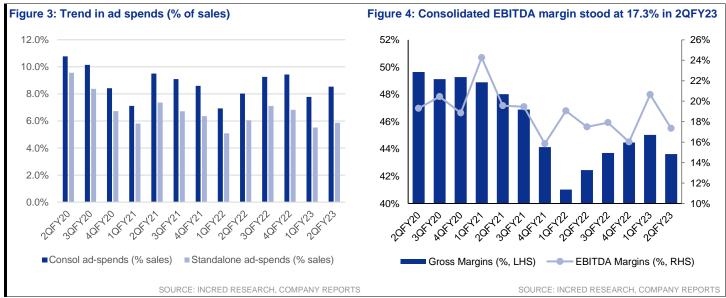
### Input cost and margin

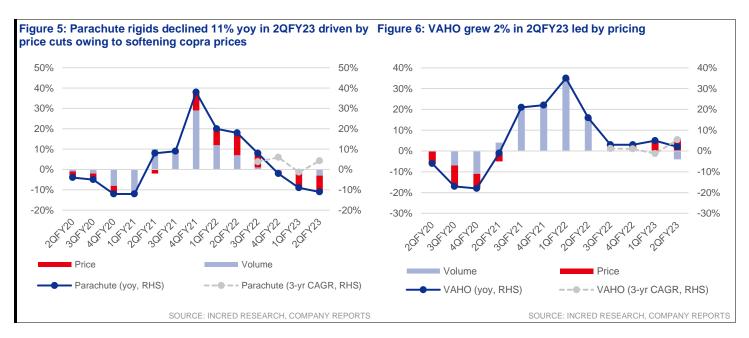
- Copra prices are expected to normalize in Dec 2022F. Parachute will continue to see some deflation (and price cuts) as prices are cooling off.
- Edible oil prices were cut ahead of the market to avoid multiple pricing changes (even as the company consumed high-priced inventory) which caused a 170bp impact on margins.
- International business registered a healthy EBITDA level and hence, the focus
  will be on key markets. Currency-related gains can aid in offsetting margin
  pressure on an overall basis. Vietnam and MENA region are reasonably
  insulated from currency fluctuations.

Figure 1: Quarterly results summary – consolidated								
Y/E, Mar (Rs. m)	2QFY22	1QFY23	2QFY23	YoY (%)	QoQ (%)	1HFY22	1HFY23	Gr (%)
Revenue	24,190	25,580	24,960	3.2	-2.4	49,440	50,540	2.2
Expenditure	19,960	20,300	20,630	3.4	1.6	40,400	40,930	1.3
Consumption of RM	13,920	14,060	14,070	1.1	0.1	28,810	28,130	-2.4
as % of sales	57.5	55.0	56.4			58.3	55.7	
Employee cost	1,530	1,560	1,660	8.5	6.4	3,030	3,220	6.3
as % of sales	6.3	6.1	6.7			6.1	6.4	
Other expenditure	4,510	4,680	4,900	8.6	4.7	8,560	9,580	11.9
as % of sales	18.6	18.3	19.6			17.3	19.0	
EBITDA	4,230	5,280	4,330	2.4	-18.0	9,040	9,610	6.3
Depreciation	330	360	370	12.1	2.8	660	730	10.6
EBIT	3,900	4,920	3,960	1.5	-19.5	8,380	8,880	6.0
Other income	250	170	190	-24.0	11.8	520	360	-30.8
Interest	100	100	150	50.0	50.0	180	250	38.9
PBT	4,050	4,990	4,000	-1.2	-19.8	8,720	8,990	3.1
Total tax	890	1,220	930	4.5	-23.8	1,910	2,150	12.6
PAT	3,160	3,770	3,070	-2.8	-18.6	6,810	6,840	0.4
(Profit)/loss from JV's/Ass./MI	70	60	60	NA	0.0	160	120	-25.0
APAT after MI	3,090	3,710	3,010	-2.6	-18.9	6,650	6,720	1.1
Extraordinary items	0	0	0	NA	NA	0	0	NA
Reported PAT	3,090	3,710	3,010	-2.6	-18.9	6,650	6,720	1.1
EPS	2.4	2.9	2.3	-2.6	-18.9	5.2	5.2	1.1
Margins (%)	2QFY22	1QFY23	2QFY23	YoY (bp)	QoQ (bp)	1HFY22	1HFY23	(bp)
Gross margin	42.5	45.0	43.6	120	-140	41.7	44.3	260
EBIDTA	17.5	20.6	17.3	-10	-330	18.3	19.0	70
EBIT	16.1	19.2	15.9	-30	-340	16.9	17.6	60
EBT	16.7	19.5	16.0	-70	-350	17.6	17.8	20
PAT	13.1	14.7	12.3	-80	-240	13.8	13.5	-20
Effective tax rate	22.0	24.4	23.3	130	-120	21.9	23.9	200
				SOURCE:	INCRED RES	SEARCH, C	OMPANY RE	PORTS

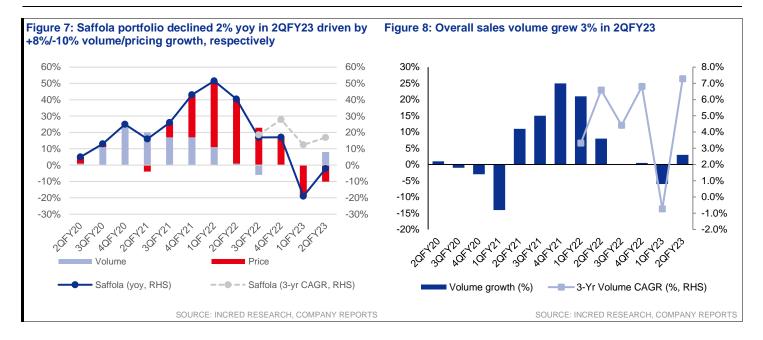




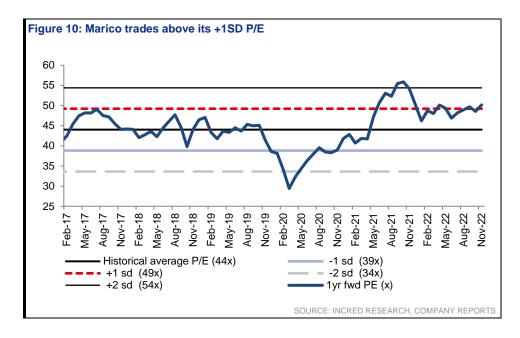






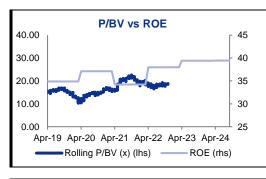


V/E Man (Da)	FY23F				FY24F		FY25F	
Y/E, Mar (Rs. m)	Earlier	Revised	% Change	Earlier	Revised	% Change	Introduced	
Net sales	1,06,407	97,430	-8.4	11,91,146	1,08,382	-91	1,19,497	
EBITDA	20,245	17,833	-11.9	23,120	20,690	-11	23,261	
EBITDA margin (%)	19.0	18.3	-70 bp	19.4	19.1	-30 bp	19.5	
APAT	14,775	13,371	-9.5	16,340	15,370	-6	17,113	
EPS	11.5	10.4	-9.5	12.7	11.9	-5.9	13.3	
SOURCE: INCRED RESEARCH, COMPANY REPO								





## **BY THE NUMBERS**





Profit & Loss					
(Rs m)	Mar-21A	Mar-22A	Mar-23F	Mar-24F	Mar-25F
Total Net Revenue	80,480	95,120	97,430	108,382	119,497
Gross Profit	37,780	40,760	43,737	50,012	56,231
Operating EBITDA	15,920	16,810	17,833	20,690	23,261
Depreciation And Amortisation	(1,390)	(1,390)	(1,576)	(1,763)	(1,949)
Operating EBIT	14,530	15,420	16,256	18,927	21,311
Financial Income/(Expense)	600	(390)	850	814	788
Pretax Income/(Loss) from Assoc.					
Non-Operating Income/(Expense)					
Profit Before Tax (pre-EI)	15,130	15,030	17,106	19,741	22,100
Exceptional Items					
Pre-tax Profit	15,130	15,030	17,106	19,741	22,100
Taxation	(3,240)	(3,460)	(3,435)	(4,071)	(4,687)
Exceptional Income - post-tax					
Profit After Tax	11,890	11,570	13,671	15,670	17,413
Minority Interests	(270)	(300)	(300)	(300)	(300)
Preferred Dividends					
FX Gain/(Loss) - post tax					
Other Adjustments - post-tax					
Net Profit	11,620	11,270	13,371	15,370	17,113
Recurring Net Profit	11,620	11,270	13,371	15,370	17,113
Fully Diluted Recurring Net Profit	11,620	11,270	13,371	15,370	17,113

Cash Flow					•
(Rs mn)	Mar-21A	Mar-22A	Mar-23F	Mar-24F	Mar-25F
EBITDA	15,920	16,810	17,833	20,690	23,261
Cash Flow from Invt. & Assoc.					
Change In Working Capital	6,580	(3,720)	5,706	(120)	184
(Incr)/Decr in Total Provisions					
Other Non-Cash (Income)/Expense					
Other Operating Cashflow	940	980	1,350	1,314	1,288
Net Interest (Paid)/Received	(340)	(390)	(500)	(500)	(500)
Tax Paid	(3,240)	(3,460)	(3,435)	(4,071)	(4,687)
Cashflow From Operations	19,860	10,220	20,954	17,314	19,547
Capex	(540)	(1,020)	(1,918)	(1,950)	(1,950)
Disposals Of FAs/subsidiaries					
Acq. Of Subsidiaries/investments					
Other Investing Cashflow	(1,210)	260	2,000	(3,000)	(3,000)
Cash Flow From Investing	(1,750)	(760)	82	(4,950)	(4,950)
Debt Raised/(repaid)					
Proceeds From Issue Of Shares					
Shares Repurchased					
Dividends Paid	(10,290)	(12,170)	(9,871)	(11,273)	(12,455)
Preferred Dividends					
Other Financing Cashflow					
Cash Flow From Financing	(10,290)	(12,170)	(9,871)	(11,273)	(12,455)
Total Cash Generated	7,820	(2,710)	11,165	1,091	2,141
Free Cashflow To Equity	18,110	9,460	21,036	12,364	14,597
Free Cashflow To Firm	18,450	9,850	21,536	12,864	15,097

SOURCE: INCRED RESEARCH, COMPANY REPORTS

Personal Products | India Marico Ltd | November 06, 2022

# BY THE NUMBERS...cont'd

Balance Sheet					
(Rs m)	Mar-21A	Mar-22A	Mar-23F	Mar-24F	Mar-25F
Total Cash And Equivalents	15,720	12,200	21,365	25,456	30,597
Total Debtors	3,880	6,520	4,444	4,943	5,445
Inventories	11,260	14,120	15,685	16,302	16,715
Total Other Current Assets	3,760	3,290	3,667	4,079	4,487
Total Current Assets	34,620	36,130	45,161	50,780	57,244
Fixed Assets	7,930	12,930	13,284	13,471	13,471
Total Investments	2,260	1,870	1,870	1,870	1,870
Intangible Assets	8,430	3,060	3,048	3,048	3,048
Total Other Non-Current Assets	780	730	730	730	730
Total Non-current Assets	19,400	18,590	18,932	19,119	19,119
Short-term Debt	3,400	3,450	3,450	3,450	3,450
Current Portion of Long-Term Debt					
Total Creditors	11,340	13,440	19,100	20,494	21,988
Other Current Liabilities	4,950				
Total Current Liabilities	19,690	16,890	22,550	23,944	25,438
Total Long-term Debt	80				
Hybrid Debt - Debt Component					
Total Other Non-Current Liabilities	1,460				
Total Non-current Liabilities	1,540				
Total Provisions	210	220	133	146	160
Total Liabilities	21,440	17,110	22,683	24,091	25,598
Shareholders' Equity	32,400	33,480	36,980	41,078	45,736
Minority Interests	180	570	570	570	570
Total Equity	32,580	34,050	37,550	41,648	46,306

Key Ratios					
	Mar-21A	Mar-22A	Mar-23F	Mar-24F	Mar-25F
Revenue Growth	10.0%	18.2%	2.4%	11.2%	10.3%
Operating EBITDA Growth	8.4%	5.6%	6.1%	16.0%	12.4%
Operating EBITDA Margin	19.8%	17.7%	18.3%	19.1%	19.5%
Net Cash Per Share (Rs)	9.49	6.78	13.89	17.06	21.04
BVPS (Rs)	25.12	25.95	28.67	31.84	35.45
Gross Interest Cover	42.73	39.54	32.51	37.85	42.62
Effective Tax Rate	21.4%	23.0%	20.1%	20.6%	21.2%
Net Dividend Payout Ratio	77.5%	79.7%	73.8%	73.3%	72.8%
Accounts Receivables Days	21.02	19.95	20.54	15.81	15.87
Inventory Days	107.11	85.21	101.31	100.01	95.24
Accounts Payables Days	90.27	83.19	110.60	123.80	122.55
ROIC (%)	73.6%	56.7%	74.7%	85.7%	97.3%
ROCE (%)	41.6%	41.9%	41.4%	44.0%	44.9%
Return On Average Assets	21.7%	22.0%	21.6%	22.2%	22.7%

Key Drivers					
	Mar-21A	Mar-22A	Mar-23F	Mar-24F	Mar-25F
Domestic revenue growth	8.3%	18.4%	0.3%	11.2%	9.9%
EBIDTA margin	19.8%	17.7%	18.3%	19.1%	19.5%

SOURCE: INCRED RESEARCH, COMPANY REPORTS



Personal Products | India Marico Ltd | November 06, 2022

#### **DISCLAIMER**

This report (including the views and opinions expressed therein, and the information comprised therein) has been prepared by Incred Research Services Private Ltd.(formerly known as Earnest Innovation Partners Private Limited) (hereinafter referred to as "IRSPL"). IRSPL is registered with SEBI as a Research Analyst vide Registration No. INH000007793. Pursuant to a trademark agreement, IRSPL has adopted "Incred Equities" as its trademark for use in this report.

The term "IRSPL" shall, unless the context otherwise requires, mean IRSPL and its affiliates, subsidiaries and related companies. 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 IRSPL and its affiliates/group companies to registration or licensing requirements within such jurisdictions.

This report is being supplied to you strictly on the basis that it will remain confidential. No part of this report may be (i) copied, photocopied, duplicated, stored or reproduced in any form by any means; or (ii) redistributed or passed on, directly or indirectly, to any other person in whole or in part, for any purpose without the prior written consent of IRSPL.

The information contained in this report is prepared from data believed to be correct and reliable at the time of issue of this report.

IRSPL is not required to issue regular reports on the subject matter of this report at any frequency and it may cease to do so or change the periodicity of reports at any time. IRSPL is not under any obligation to update this report in the event of a material change to the information contained in this report. IRSPL has not any and will not accept any, obligation to (i) check or ensure that the contents of this report remain current, reliable or relevant; (ii) ensure that the content of this report constitutes all the information a prospective investor may require; (iii) ensure the adequacy, accuracy, completeness, reliability or fairness of any views, opinions and information, and accordingly, IRSPL and its affiliates/group companies (and their respective directors, associates, connected persons and/or employees) shall not be liable in any manner whatsoever for any consequences (including but not limited to any direct, indirect or consequential losses, loss of profits and damages) of any reliance thereon or usage thereof.

Unless otherwise specified, this report is based upon reasonable sources. Such sources will, unless otherwise specified, for market data, be market data and prices available from the main stock exchange or market where the relevant security is listed, or, where appropriate, any other market. Information on the accounts and business of company(ies) will generally be based on published statements of the company(ies), information disseminated by regulatory information services, other publicly available information and information resulting from our research. Whilst every effort is made to ensure that statements of facts made in this report are accurate, all estimates, projections, forecasts, expressions of opinion and other subjective judgments contained in this report are based on assumptions considered to be reasonable as of the date of the document in which they are contained and must not be construed as a representation that the matters referred to therein will occur. Past performance is not a reliable indicator of future performance. The value of investments may go down as well as up and those investing may, depending on the investments in question, lose more than the initial investment. No report shall constitute an offer or an invitation by or on behalf of IRSPL and its affiliates/group companies to any person to buy or sell any investments.

The opinions expressed are based on information which are believed to be accurate and complete and obtained through reliable public or other non-confidential sources at the time made. (Information barriers and other arrangements may be established where necessary to prevent conflicts of interests arising. However, the analyst(s) may receive compensation that is based on his/their coverage of company(ies) in the performance of his/their duties or the performance of his/their recommendations. In reviewing this report, an investor should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest. Additional information is, subject to the duties of confidentiality, available on request. The report is not a "prospectus" as defined under Indian Law, including the Companies Act, 2013, and is not, and shall not be, approved by, or filed or registered with, any Indian regulator, including any Registrar of Companies in India, SEBI, any Indian stock exchange, or the Reserve Bank of India. No offer, or invitation to offer, or solicitation of subscription with respect to any such securities listed or proposed to be listed in India is being made, or intended to be made, to the public, or to any member or section of the public in India, through or pursuant to this report.

The research analysts, strategists or economists principally responsible for the preparation of this research report are segregated from the other activities of IRSPL. Information barriers and other arrangements have been established, as required, to prevent any conflicts of interests.

The research analysts, strategists or economists principally responsible for the preparation of this research report are segregated from the other activities of IRSPL. Information barriers and other arrangements have been established, as required, to prevent any conflicts of interests.

IRSPL may have issued other reports (based on technical analysis, event specific, short term views etc.) that are inconsistent with and reach different conclusion from the information presented in this report.

Holding of Analysts/Relatives of Analysts, IRSPL and Associates of IRSPL in the covered securities, as on the date of publishing of this report



Personal Products | India Marico Ltd | November 06, 2022

	Analyst/ Relative	Entity/ Associates
any financial interests in the company covered in this report (subject company) and nature of such financial interest	NO	NO
actual/beneficial ownership of 1% or more in securities of 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;	NO	NO
any other material conflict of interest at the time of publication of the research report or at the time of public appearance	NO	NO
received any compensation from the subject company in the past twelve months for investment banking or merchant banking or brokerage services or investment advisory or depository or distribution from the subject company in the last twelve months for products/services other than investment banking or merchant banking or broker- age services or investment advisory or depository or distribution from the subject company in the last twelve months	NO	NO
managed or co-managed public offering of securities for the subject company in the last twelve months	NO	NO
received any compensation or other benefits from the subject company or third party in connection with the research report	NO	NO
served as an officer, director or employee of the subject company	NO	NO
been engaged in market making activity for the subject company	NO	NO

### **Analyst declaration**

- The analyst responsible for the production of this report hereby certifies that the views expressed herein accurately and exclusively reflect his
  or her personal views and opinions about any and all of the issuers or securities analysed in this report and were prepared independently and
  autonomously in an unbiased manner.
- No part of the compensation of the analyst(s) was, is, or will be directly or indirectly related to the inclusion of specific recommendations(s) or view(s) in this report or based any specific investment banking transaction.
- The analyst(s) has(have) not had any serious disciplinary action taken against him/her(them).
- The analyst, strategist, or economist does not have any material conflict of interest at the time of publication of this report.
- The analyst(s) has(have) received compensation based upon various factors, including quality, accuracy and value of research, overall firm
  performance, client feedback and competitive factors.

IRSPL and/or its affiliates and/or its Directors/employees may own or have positions in securities of the company(ies) covered in this report or any securities related thereto and may from time to time add to or dispose of, or may be materially interested in, any such securities.

IRSPL and/or its affiliates and/or its Directors/employees may do and seek to do business with the company(ies) covered in this research report and may from time to time (a) buy/sell the securities covered in this report, from time to time and/or (b) act as market maker or have assumed an underwriting commitment in securities of such company(ies), and/or (c) may sell them to or buy them from customers on a principal basis and/or (d) may also perform or seek to perform significant investment banking, advisory, underwriting or placement services for or relating to such company(ies) and/or (e) solicit such investment, advisory or other services from any entity mentioned in thisreport and/or (f) act as a lender/borrower to such company and may earn brokerage or other compensation. However, Analysts are forbidden to acquire, on their own account or hold securities (physical or uncertificated, including derivatives) of companies in respect of which they are compiling and producing financial recommendations or in the result of which they play a key part.