

# **IOCL**

Estimate change	T T
TP change	<b>←</b>
Rating change	$\leftarrow$

Bloomberg	IOCL IN
Equity Shares (m)	14121
M.Cap.(INRb)/(USDb)	2384.4 / 28.6
52-Week Range (INR)	197 / 81
1, 6, 12 Rel. Per (%)	-1/73/82
12M Avg Val (INR M)	3337

# Financials & Valuations (INR b)

Y/E March	FY24	FY25E	FY26E
Sales	7,764	10,621	11,418
EBITDA	768	440	458
Adj. PAT	406	176	187
Adj. EPS (INR)	29.5	12.7	13.6
EPS Gr. (%)	344.7	-56.7	6.6
BV/Sh.(INR)	133.2	140.7	148.6
Ratios			
Net D:E	0.7	0.7	0.6
RoE (%)	25.1	9.3	9.4
RoCE (%)	16.6	7.6	7.2
Payout (%)	39.6	41.2	41.4
Valuations			
P/E (x)	5.7	13.3	12.4
P/B (x)	1.3	1.2	1.1
EV/EBITDA (x)	3.6	8.2	7.9
Div. Yield (%)	10.7	3.1	3.3
FCF Yield (%)	42.6	3.4	6.2

# Shareholding pattern (%)

Mar-24	Dec-23	Mar-23
51.5	51.5	51.5
29.8	29.5	31.5
8.5	8.9	6.9
10.2	10.1	10.1
	51.5 29.8 8.5	51.5 51.5 29.8 29.5 8.5 8.9

FII Includes depository receipts

# CMP: INR169 TP: INR195 (+15%) Buy

# Inventory loss and weak petchem lead to earnings miss

- IOCL's 4QFY24 EBITDA of INR104b (down 27% YoY) was 26% below our estimate of INR141b due to weaker-than-estimated reported GRM (USD8.4/bbl in 4QFY24 vs. our estimate of USD15.0/bbl). The subdued result was also due to the continuing weak performance of the petrochemical division (EBIT loss of INR4b).
- Core GRM in 4QFY24 came in at USD10.6/bbl; for FY25-26, we are building in GRMs of USD9/bbl. As such, we believe the refining segment's performance will remain healthy given the robust oil demand.
- However, the petchem segment reported an operating loss for the second consecutive quarter amid weak petchem spreads (PE, PP) for key products. While we remain constructive on the petchem cycle turning around in 2HFY25, we believe the near-term earnings pressure may continue.
- OMCs are estimated to generate marketing margins of INR2.0/INR0.5 per lit on petrol/diesel in Apr'24 vs. our assumptions of INR3.3/lit for both products in FY25-26.
- Owing to the weak petchem performance recently, we cut our consolidated EBITDA/EPS estimates by 7%/21% for FY25 and by 3%/12% for FY26. We maintain our earnings assumptions for the refining and marketing segments. The stock trades at 12.4x consolidated FY26E EPS and 1.1x FY26E P/B. We reiterate our BUY rating on the stock, valuing it at 1.3x FY26E P/B.

# Throughput and marketing sales volume in line

- Reported GRM came in below our est. at USD8.4/bbl (vs. our est. of USD15.0/bbl and USD13.5/bbl in 3QFY24). Core GRM stood at USD10.6/bbl (v/s USD20.1/bbl in 4QFY23 and USD10/bbl in 3QFY24), implying an inventory loss of USD2.2/bbl during the quarter.
- Refining throughput came in line with our estimate at 18.3mmt (down 4% YoY). In the marketing segment, domestic sales volume was also in line with our estimate at 23.7mmt (up 3% YoY).
- Petchem sales volume rose 18% YoY to 0.80mmt (vs. 0.68mmt in 4QFY23).
  Petchem segment reported a loss of INR4b at the EBIT level. Petchem margins were also flat QoQ during 4QFY24.
- Marketing margin (including inv.) was above our est. at INR5.2/lit (est. INR3.8/lit and INR4.5/lit in 3QFY24). Marketing volume, excluding exports, was in line with our estimate at 23.7mmt (+3% YoY).
- EBITDA was below our est. at INR104.4b (our est. of INR140.7b, down 27% YoY). PAT came at INR48.4b (our est. of INR71.0b, down 52% YoY).
- In FY24, EBITDA was up ~2.4x YoY to INR694b, with a PAT of INR396b (vs. PAT of INR82b in FY23).
- Refining throughput was up 1% YoY to 73.3mmt, with reported GRM at USD12.1/bbl (vs. USD19.8/bbl in FY23). Marketing margin stood at INR6/lit (vs. loss of INR1.1/lit in FY23).

Abhishek Nigam – Research Analyst (Abhishek.Nigam@MotilalOswal.com)

Research Analyst: Aman Chowdhary (Aman.Chowdhary@MotilalOswal.com)

- IOCL had a cumulative negative net buffer of INR10.2b as of 31<sup>st</sup> Mar'24 due to under-recovery on LPG cylinders (as the retail selling price was less than MDP). The total cumulative uncompensated loss stood at INR48b.
- IOCL announced a final dividend of INR7/share for FY24.

### Valuation and View

- IOCL is set to commission various projects over the next two years, driving further growth. Refinery projects, currently under way, are expected to be completed as follows: Panipat refinery (25mmtpa) by Dec'25, Gujarat refinery (18mmtpa) by Oct'24, and Baruni refinery (9mmtpa) by Dec'24.
- SG GRM has declined to ~USD4.1/bbl in 1QFY25 to date (vs. USD7.3/bbl during 4QFY24). IOCL has the highest leverage in the refining segment among its peers and is most likely to be susceptible to changes in SG GRM.
- The stock trades at 12.4x consolidated FY26E EPS of INR13.6 and 1.1x FY26E P/B. We reiterate our BUY rating on the stock, valuing it at 1.3x FY26E P/B to arrive at our TP of INR195.

Standalone - Quarterly Earnings Mo		F۱	′23			FY	′24		FY23	FY24	FY24	(INR b)
Y/E March	1Q	2Q		4Q	1Q	2Q	3Q	4Q	1123	1124	4QE	(%)
Net Sales	2242.5	2074.9		2029.9		1797.4			8394.7	7743.5	1966.9	1%
YoY Change (%)	89.0	53.2	22.8	14.5	-11.9	-13.4	-2.8	-2.5	40.3	-7.8	-3.1	
EBITDA	43.0	50.1	52.9	143.5	221.6	213.1	154.9	104.4	289.5	694.0	140.7	-26%
Margin (%)	1.9	2.4	2.6	7.1	11.2	11.9	7.8	5.3	3.4	9.0	7.2	
Depreciation	28.5	29.6	31.0	29.5	31.5	32.8	43.4	37.4	118.6	145.1	42.7	
Forex loss	29.4	30.5	17.0	-9.9	0.0	0.0	0.0	0.0	67.0	0.0	0.0	
Interest	17.2	14.4	19.5	18.1	16.3	18.5	18.3	20.2	69.3	73.3	18.5	
Other Income	6.8	22.0	17.2	16.4	6.9	9.8	14.5	16.6	62.4	47.8	14.6	
РВТ	-25.3	-2.4	2.6	122.1	180.7	171.7	107.7	63.3	97.0	523.4	94.0	-33%
Tax	-5.4	0.3	-1.9	21.6	43.2	42.0	27.0	14.9	14.6	127.3	23.0	-35%
Rate (%)	21.2	-11.5	-74.6	17.7	23.9	24.5	25.1	23.6	15.0	24.3	24.5	
Adj PAT	-19.9	-2.7	4.5	100.6	137.5	129.7	80.6	48.4	82.4	396.2	71.0	-32%
YoY Change (%)	PL	PL	-92.4	67.0	LP	LP	1699.8	-51.9	-65.9	380.7	-29.4	
Margin (%)	-0.9	-0.1	0.2	5.0	7.0	7.2	4.0	2.4	1.0	5.1	3.6	
Key Assumptions												
Refining throughput (mmt)	18.9	16.1	18.2	19.1	18.8	17.8	18.5	18.3	72.3	73.3	17.5	5%
Reported GRM	31.8	19.2	12.9	15.3	8.3	17.9	13.5	8.4	19.8	12.1	15.0	-44%
Domestic sale of refined products (mmt)	23.0	21.6	23.2	23.0	23.3	21.9	23.3	23.7	90.7	92.3	23.6	0%
Marketing GM incld. inv. per litre (INR/litre)	-7.2	-0.7	0.7	2.7	8.7	5.6	4.5	5.2	-1.1	6.0	3.8	36%

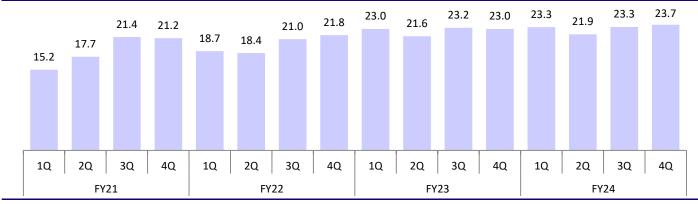
Exhibit 1: Ke	y assumptions
---------------	---------------

Y End: March 31	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Exchange Rate (INR/USD)	70.0	70.9	74.3	74.5	80.4	82.8	83.9	85.0
Brent Crude (USD/bbl)	70.1	61.2	44.4	80.5	96.1	83.0	85.0	85.0
Domestic direct sales refined pdts (MMT)	85	84	76	80	91	92	96	100
YoY (%)	10%	0%	-10%	6%	13%	2%	4%	4%
Reported GRM (USD/bbl)	5.4	0.1	5.6	11.3	19.5	12.1	9.0	9.0
Singapore GRM (USD/bbl)	4.9	3.2	0.5	5.0	10.7	6.6	6.0	6.0
Prem./(disc) (USD/bbl)	0.5	(3.1)	5.1	6.3	8.8	5.5	3.0	3.0
Refining capacity utilization (%)	104%	100%	90%	98%	105%	106%	104%	104%
Total Refinery throughput (MMT)	71.8	69.4	62.4	67.7	72.3	73.3	72.0	72.0
YoY (%)	4%	-3%	-10%	9%	7%	1%	-2%	0%
Marketing Margin (INR/lit)								
Blended gross marketing margin incld								
inventory	5.0	5.8	6.2	4.4	-1.1	6.0	4.1	4.1
Consolidated EPS	12.5	1.8	15.8	18.7	6.6	29.5	12.7	13.6

1 May 2024

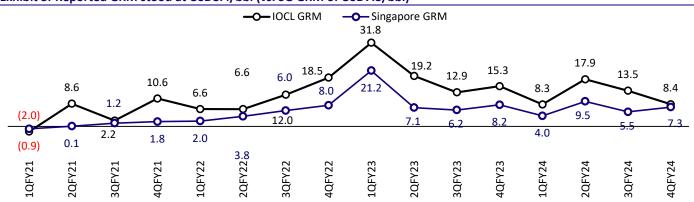
Source: Company, MOFSL

Exhibit 2: Domestic sales grew 3.4% YoY to 23.7mmt



Source: Company, MOFSL

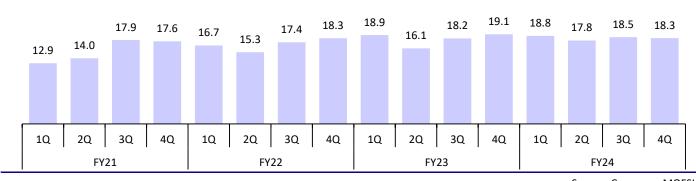
Exhibit 3: Reported GRM stood at USD8.4/bbl (vs. SG GRM of USD7.3/bbl)



Source: Company, MOFSL

Exhibit 4: Refinery throughput at 18.3mmt, down 4.4% YoY

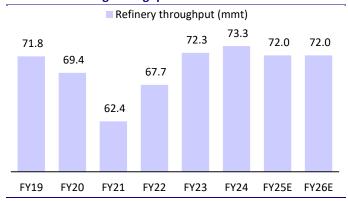
# Refinery thr'put (mmt)



Source: Company, MOFSL

# **Story in charts**

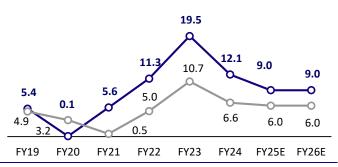
# **Exhibit 5: Refining throughput of IOCL**



Source: Company, MOFSL

# **Exhibit 6: GRM trend**

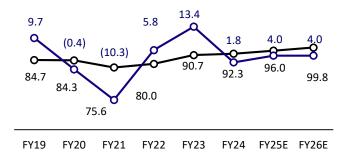
**─**O─IOCL GRM (USD/bbl) **─**O─Reuters Singapore GRM (USD/bbl)



Source: Company, MOFSL

# **Exhibit 7: Marketing sales volume**

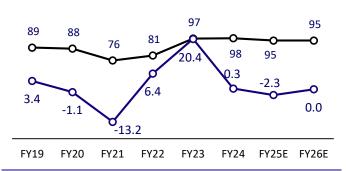
**−O−** Domestic Sales Refined products (mmt) **−O−** YoY (%)



Source: Company, MOFSL

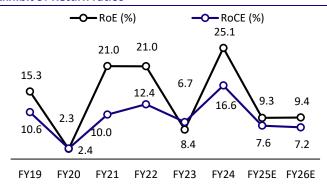
# **Exhibit 8: Pipeline throughput**

**−O−** Pipeline throughput (mmt) **−O−** YoY (%)



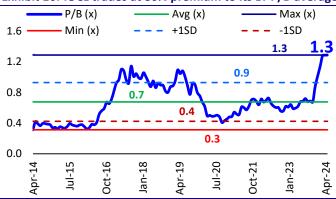
Source: Company, MOFSL

### **Exhibit 9: Return ratios**



Source: Company, MOFSL

Exhibit 10: IOCL trades at 86% premium to its LT P/B average



Source: Company, MOFSL

1 May 2024

# **Financials and Valuations**

Consolidated - Income Statement Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	(INR b
Total Income from Operations	5,282	4,838	3,639	5,893	8,418	7,764	10,621	11,418
Change (%)	25%	-8%	-25%	62%	43%	-8%	37%	8%
EBITDA	352	168	406	477	306	768	440	458
Margin (%)	7%	3%	11%	8%	4%	10%	4%	4%
Depreciation	85	103	109	123	132	159	162	166
EBIT	267	66	296	354	175	609	277	292
Int. and Finance Charges	49	66	36	54	75	78	79	80
Net Forex Loss	17	41	-13	15	72	12	0	C
Other Income	45	69	22	45	114	38	39	40
PBT bef. EO Exp.	245	28	296	331	142	557	237	251
EO Items	0	-113	0	0	9	15	0	0
PBT after EO Exp.	245	-85	296	331	150	573	237	251
Total Tax	87	-53	90	86	33	141	55	58
Tax Rate (%)	35.3	62.0	30.4	25.9	22.2	24.7	23.1	22.9
Share of JVs/associates	-14	-14	-12	-12	19	14	7	7
Reported PAT	173	-19	218	257	98	417	176	187
Adjusted PAT	173	24	218	257	91	406	176	187
Change (%)	-24%	-86%	801%	18%	-65%	345%	-57%	7%
Margin (%)	3.3	0.5	6.0	4.4	1.1	5.2	1.7	1.6
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	(INR b) FY26E
Y/E March							FY25E	FY26E
Equity Share Capital	92	92	92	92	138	138	138	138
Total Reserves	1,033	862	1,027	1,244	1,259	1,696	1,800	1,909
Net Worth	1,125	954	1,118	1,335	1,397	1,834	1,937	2,047
Minority Interest	19	9	10	16	35	47	47	47
Total Loans	927	1,260	1,085	1,236	1,401	1,235	1,444	1,690
Deferred Tax Liabilities	165	114	140	154	168	190	190	190
Cross Block	2,236	2,337	2,353	2,740	3,001	3,306	3,619	3,974
Gross Block	1,599	1,847	2,057	2,214	2,542	2,860	3,496	3,859
Less: Accum. Deprn.	274	376	486	609	741	900	1,062	1,228
Net Fixed Assets Capital WIP	1,325	1,470	1,571	1,605	1,800	1,960	2,433	2,630
Total Investments	250	328 <b>356</b>	363 <b>447</b>	475 <b>524</b>	511 <b>522</b>	610	270	201
	441					655	655	655
Curr. Assets, Loans&Adv.	1,336	1,143	1,168	1,503	1,583	1,598	2,344	2,720
Inventory Account Passivables	771	670	834	1,117	1,211	1,214	1,764	1,899
Account Receivables	158 11	133	138	187	164	138	207	222
Cash and Bank Balance Loans and Advances		23	25	18	21	32	168	400
	396	317	171	180	187	214	205	199
Curr. Liability & Prov.	1,116	961	1,196	1,366	1,416	1,518	2,083	2,234
Account Payables	992	848	1,087	1,252	1,300	1,397	1,963	2,113
Dravisions	171							
Provisions Net Current Assets	124 <b>220</b>	112 <b>182</b>	109 <b>-28</b>	113 137	116 <b>168</b>	120 <b>80</b>	120 <b>261</b>	120 <b>487</b>

# **Financials and Valuations**

Ratios Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Basic (INR)	1113	1120	1122	1122	1123	1127	11232	11202
EPS	12.5	1.8	15.8	18.7	6.6	29.5	12.7	13.6
Cash EPS	18.7	9.2	23.7	27.6	16.2	41.0	24.5	25.6
BV/Share	81.7	69.3	81.2	97.0	101.5	133.2	140.7	148.6
DPS	9.3	4.3	12.0	12.6	4.5	18.0	5.3	5.6
Payout (%)	58	-243	59	53	42	40	41	41
Valuation (x)							·-	
P/E	13.5	96.4	10.7	9.0	25.5	5.7	13.3	12.4
Cash P/E	9.0	18.3	7.1	6.1	10.4	4.1	6.9	6.6
P/B	2.1	2.4	2.1	1.7	1.7	1.3	1.2	1.1
EV/Sales	0.5	0.6	0.7	0.5	0.3	0.4	0.3	0.3
EV/EBITDA	7.0	16.6	6.4	5.8	9.6	3.6	8.2	7.9
Dividend Yield (%)	5.5	2.5	7.1	7.5	2.7	10.7	3.1	3.3
FCF per share	2.6	-4.8	48.1	21.4	26.6	72.0	5.7	10.5
Return Ratios (%)	2.0	1.0	10.1		20.0	72.0	<u> </u>	10.5
RoE	15.3	2.3	21.0	21.0	6.7	25.1	9.3	9.4
RoCE	10.6	2.4	10.0	12.4	8.4	16.6	7.6	7.2
RoIC	12.4	1.6	13.1	16.2	7.4	23.2	9.4	8.6
Working Capital Ratios	12.1	1.0	13.1	10.2	,.,	25.2	3.1	0.0
Fixed Asset Turnover (x)	3.3	2.6	1.8	2.7	3.3	2.7	3.0	3.0
Asset Turnover (x)	2.4	2.1	1.5	2.2	2.8	2.3	2.9	2.9
Inventory (Days)	53	51	84	69	53	57	61	61
Debtor (Days)	11	10	14	12	7	7	7	7
Creditor (Days)	69	64	109	78	56	66	67	68
Leverage Ratio (x)				,,,			<u> </u>	
Current Ratio	1.2	1.2	1.0	1.1	1.1	1.1	1.1	1.2
Interest Cover Ratio	5.5	1.0	8.3	6.5	2.3	7.8	3.5	3.6
Net Debt/Equity	0.8	1.3	0.9	0.9	1.0	0.7	0.7	0.6
rece beaut Equity	0.0	1.5	0.5	0.5	1.0	0.7	0.7	0.0
Consolidated - Cash Flow Statement								(INR b)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
OP/(Loss) before Tax	259	-72	308	343	150	573	237	251
Depreciation	85	103	109	123	132	159	162	166
Direct Taxes Paid	-56	-22	-41	-75	-15	-119	-55	-58
(Inc)/Dec in WC	-165	50	91	-140	-57	62	-44	6
CF from Operations	127	71	499	246	296	711	373	440
(Inc)/Dec in FA	-103	-116	-57	-49	-52	-50	-295	-295
Free Cash Flow	24	-44	442	196	245	661	78	145
(Pur)/Sale of Investments	-2	-5	-40	-18	-20	-39	0	0
CF from Investments	-226	-291	-242	-212	-280	-315	-295	-295
Dividend Paid	-117	-58	-84	-109	-33	-110	-72	-78
CF from Fin. Activity	104	232	-254	-40	-13	-394	58	88
Inc/Dec of Cash	6	12	2	- <del>-4</del> 0	3	3	136	232
Opening Balance	5	11	23	25	18	10	32	168
	,		23	23	10		J2	100

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.

#### Disclosures

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

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

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 transactions. Details of pending Enquiry Proc llaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx Enquiry Proceedings Motilal Oswal Limited Financial Services available of are

A graph of daily closing prices of securities is available at <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.bseindia.com</a>. 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. INH00000412) 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.

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") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

### Nainesh Rajani

Email: nainesh.raiani@motilaloswal.com

Contact: (+65) 8328 0276

# 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.
- 2 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

### 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)

1 May 2024

7

Motilal Oswal

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.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registrated 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: 02240548085.

Grievance Redressal Cell:

Contact Person	Contact No.	Email ID						
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com						
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com						
Mr. Ajay Menon	022 40548083	am@motilaloswal.com						

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products.

Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.