

**GAIL** 

**BSE SENSEX S&P CNX** 57,527 16,945

CMP: INR104

Buy



## **Stock Info**

Bloomberg	GAIL IN
Equity Shares (m)	6661
M.Cap.(INRb)/(USDb)	680.5 / 8.3
52-Week Range (INR)	116 / 83
1, 6, 12 Rel. Per (%)	3/23/7
12M Avg Val (INR M)	1581
Free float (%)	48.5

Financials Snapshot (INR b)

Y/E March	FY23E	FY24E	FY25E
Sales	1,535.7	1,369.5	1,391.8
EBITDA	79.8	133.5	134.2
Adj. PAT	55.1	96.2	97.1
Adj. EPS (INR)	8.3	14.4	14.6
EPS Gr. (%)	-46.5	74.7	0.9
BV/Sh.(INR)	94.7	106.0	117.4
Ratios			
Net D:E	0.0	0.0	0.0
RoE (%)	9.4	14.6	13.2
RoCE (%)	8.2	12.5	11.5
Payout (%)	21.5	21.5	21.5
Valuations			
P/E (x)	12.5	7.2	7.1
P/BV (x)	1.1	1.0	0.9
EV/EBITDA (x)	7.0	4.4	4.1
Div. Yield (%)	1.7	3.0	3.0
FCF Yield (%)	4.1	1.7	3.9

## Shareholding pattern (%)

As On	Dec-22	Sep-22	Dec-21
Promoter	51.5	51.5	51.5
DII	23.7	21.7	23.0
FII	18.7	20.4	20.2
Others	6.1	6.4	5.3

FII Includes depository receipts

## **Better times ahead**

We attended GAIL's analyst meet in Delhi on 22<sup>nd</sup> March, 2023. Below are the key highlights from the meeting:

TP: INR147 (+42%)

- Management highlighted that owing to supply disruptions from GMTS and record-high LNG prices, performance was adversely impacted across all segments in FY23. The company's PATA plant was operating at just 50% capacity and had to shut down briefly in Oct'22.
- However, the supply situation now seems to be improving with Sefe (formerly GMTS) nominating two cargos each in March & April. Additionally, GAIL purchased 122mmscmd of gas from IGX (at USD16-17/mmBtu) and will also be bringing eight LNG cargos from the US.
- Recently approved tariff hike, LNG prices cooling off to ~USD12/mmBtu, and improvement in gas supply should improve performance going forward. Hence, we reiterate our BUY rating with a TP of INR147.

## Substantial improvement in transmission segment ...

- The management is quite positive on PNGRB's revised tariff of INR58.6/mmBtu, although it was less than GAIL's proposal of INR68/mmBtu. The next tariff review is expected to be after three years, although GAIL could go back to PNGRB for tariff revision before that as well.
- The management expects the tariff hike to offer an incremental revenue of INR18-20b on the current volumes. The management also highlighted that every mmscmd of incremental volume raises revenue by INR8.4b.
- The transmission volume guidance stands at 120mmscmd for FY24 and is expected to record a CAGR of 5% after that.

## ... to be complemented by other segments

- The PATA plant is now running at full utilization. Additionally, global LNG prices cooling to ~USD12/mmBtu should help register robust financial results, after posting losses for the past couple of quarters. Furthermore, the 500ktpa PDH-PP plant at Usar is also expected to be commissioned by end-1HFY25.
- The management expects the gas marketing segment profits to be at ~INR35b in FY24, driven by 8-9mmscmd increase in volumes from 3QFY23 levels.
- GAIL gas volumes are also set to increase to 6.5mmscmd in FY24 from
  5.5mmscmd in 9MFY23, driven by CNG station additions. The company added
  19 new CNG stations in 9MFY23.

## Valuation and recommendation

- The decline in LNG prices is a boon for GAIL. We expect its transmission volume to rise to 117mmscmd in FY24 from 107mmscmd in FY23. The petrochemical plant is also running at optimum utilization currently.
- GAIL is currently trading at 7.1x FY25E EPS of INR14.6 and 4.1x FY25E EV/EBITDA. We value the company at 9x adjusted FY25E EPS and add the value of investments to arrive at a TP of INR147. We reiterate our BUY rating on the stock.
- Key downside risks to our target price would be a rise in LNG prices and/or a poor economic outlook, which would adversely affect natural gas demand.

Swarnendu Bhushan – Research Analyst (Swarnendu.Bhushan@MotilalOswal.com)

Rohit Thorat - Research Analyst (Rohit.Thorat@MotilalOswal.com)

Exhibit 1: Segmental EBITDA (INR b)

		FY24		
	Previous tariff	Revised tariff		
	(INR43/mmBtu)	(INR58.6/mmBtu)		
NG transmission	57.3	76.4		
Gas trading	24.3	24.3		
LPG transmission	4.4	4.4		
Petrochemicals	17.8	17.8		
LPG (pre-subsidy)	21.3	21.3		
Others	13.0	13.0		
EBITDA*	138.2	157.2		
Depreciation	25.2	25.2		
Interest	2.1	2.1		
PBT	110.8	129.9		
Tax	27.9	32.7		
PAT	82.9	97.2		
Shares o/s (mn)	6,661	6,661		
EPS (INR/share)	12.4	14.6		
Valuation				
Adj.	0.9	0.9		
Adj. EPS (INR/share)	11.5	13.7		
PE (x)	9.0	9.0		
Valuation of core	103.9	124.0		
Investments	24.0	24.0		
Total	127	147		

<sup>\*</sup>includes other income Source: PNGRB, Company, MOFSL

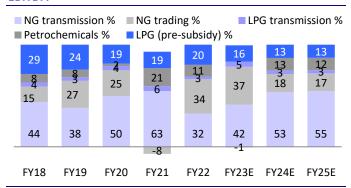




Source: Company, MOFSL Source: Company, MOFSL

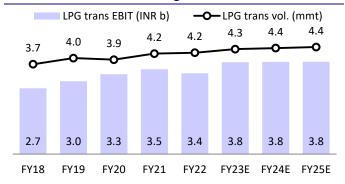
# **Story in charts**

Exhibit 3: Transmission to remain a major contributor to EBITDA



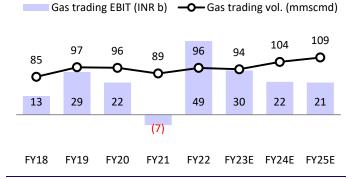
Source: Company, MOFSL

**Exhibit 5: LPG transmission segment EBIT** 



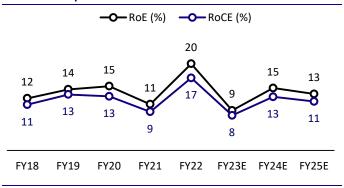
Source: Company, MOFSL

Exhibit 7: Gas trading segment snapshot



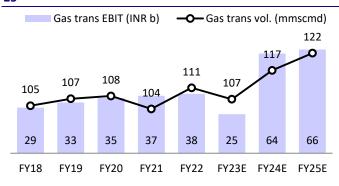
Source: Company, MOFSL

**Exhibit 9: Expect return ratios to recover** 



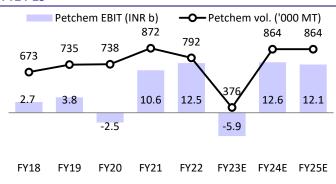
Source: Company, MOFSL

Exhibit 4: Expect transmission volumes to grow over FY24-



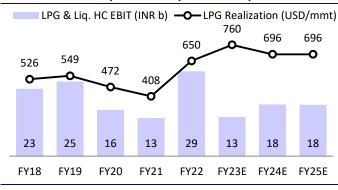
Source: Company, MOFSL

Exhibit 6: Expect Petchem segment EBIT to improve over FY24-25



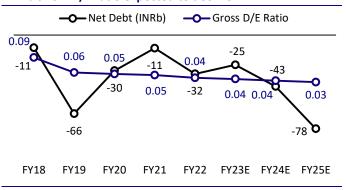
Source: Company, MOFSL

Exhibit 8: LPG & Liq. HC EBIT expected to improve



Source: Company, MOFSL

Exhibit 10: D/E ratio expected to decline



Source: Company, MOFSL

# **Financials and Valuations**

**Application of Funds** 

Income Statement								(INR b)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Net Sales	538.3	751.3	718.8	567.4	916.5	1,535.7	1,369.5	1,391.8
Change (%)	10.4	39.6	-4.3	-21.1	61.5	67.6	-10.8	1.6
EBITDA	78.0	95.3	83.7	64.5	138.3	79.8	133.5	134.2
% of Net Sales	14.5	12.7	11.6	11.4	15.1	5.2	9.7	9.6
Depreciation	14.2	15.5	18.4	19.1	21.1	24.4	25.4	25.8
Interest	2.8	1.4	1.1	1.6	1.7	3.3	2.1	2.3
Other Income	9.9	15.7	14.2	20.0	20.5	21.5	22.6	23.7
EO Items (net)	0.3	-3.3	1.0	0.0	0.0	0.0	0.0	0.0
PBT	71.2	90.8	79.4	63.9	135.9	73.6	128.6	129.8
Tax	23.4	30.6	13.2	15.0	32.3	18.5	32.4	32.7
Rate (%)	32.9	33.7	16.7	23.4	23.7	25.2	25.2	25.2
Reported PAT	47.8	60.3	66.2	48.9	103.6	55.1	96.2	97.1
Adjusted PAT	47.3	63.3	74.2	49.0	102.9	55.1	96.2	97.1
Change (%)	13.8	26.0	9.9	-26.1	111.9	-46.9	74.7	0.9
Balance Sheet								(INR b)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Share Capital	22.6	22.6	45.1	44.4	44.4	66.6	66.6	66.6
Reserves	380.7	418.4	394.6	421.7	511.5	554.7	630.2	706.4
Net Worth	403.3	440.9	439.7	466.1	555.9	621.3	696.8	773.0
Loans	9.8	8.7	54.1	59.9	63.5	69.9	76.9	84.6
Deferred Tax	46.3	59.5	45.0	45.0	47.7	47.7	47.7	47.7
Capital Employed	459.4	509.1	538.8	571.0	667.1	738.8	821.3	905.2
Gross Fixed Assets	469.6	508.1	548.3	591.4	638.5	781.6	881.6	981.6
Less: Depreciation	181.7	197.2	215.6	234.7	255.8	280.2	305.6	331.4
Net Fixed Assets	287.9	310.9	332.7	356.7	382.7	501.4	576.0	650.2
Capital WIP	55.1	92.0	105.8	119.0	130.7	87.6	87.6	87.6
Investments	99.5	95.3	78.8	105.5	136.3	136.3	136.3	136.3
Current Assets								
Inventory	19.2	23.2	29.6	26.0	30.2	50.5	45.1	45.8
Debtors	40.5	50.7	55.8	44.9	83.7	140.2	125.0	127.1
Cash & Bank Balance	25.3	12.1	8.0	13.6	20.8	62.6	58.2	69.5
Cash	10.8	1.5	5.5	12.1	13.7	33.2	28.9	40.2
Bank Balance	14.5	10.6	2.6	1.5	7.2	29.4	29.4	29.4
Loans/Adv. & Other Assets	99.6	59.5	74.7	67.3	79.0	79.0	79.0	79.0
Current Liab. & Prov.								
Liabilities	145.7	120.4	133.7	148.5	181.2	303.7	270.8	275.2
Provisions	14.3	14.3	12.8	13.6	15.1	15.1	15.1	15.1
Net Current Assets	24.5	10.9	21.5	-10.2	17.3	13.5	21.4	31.1

26 March 2023 4

538.8

571.0

667.1

738.8

821.3

905.2

467.1

509.1

# **Financials and Valuations**

Ratios								
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Basic (INR)	1110	11125	1120		1122	11232	11242	11232
EPS EPS	7.1	9.5	11.1	7.4	15.4	8.3	14.4	14.6
Cash EPS	9.3	11.4	12.7	10.2	18.7	11.9	18.3	18.4
Book Value	61.3	67.2	72.0	76.0	88.2	94.7	106.0	117.4
DPS	2.6	2.6	4.3	3.4	3.4	1.8	3.1	3.1
Payout (incl. dvd tax)	44.0	34.7	52.0	45.6	21.5	21.5	21.5	21.5
Valuation (x)								
P/E	14.5	10.9	9.3	14.1	6.7	12.5	7.2	7.1
Adj. P/E (for investments)	11.1	8.3	7.1	10.7	5.1	9.5	5.4	5.4
Cash P/E	11.1	9.1	8.1	10.1	5.5	8.7	5.7	5.6
EV / EBITDA	3.1	2.0	4.9	5.8	3.0	7.0	4.4	4.1
EV / Sales	0.5	0.3	0.7	0.9	0.5	0.5	0.5	0.5
Price / Book Value	1.7	1.5	1.4	1.4	1.2	1.1	1.0	0.9
Dividend Yield (%)	2.5	2.5	4.2	3.3	3.3	1.7	3.0	3.0
Profitability Ratios (%)								
RoE	12.2	14.3	15.0	10.8	20.3	9.4	14.6	13.2
RoCE	10.7	13.1	12.6	9.0	17.0	8.2	12.5	11.5
RoIC	14.3	18.0	16.6	10.2	25.1	10.0	16.3	14.1
Turnover Ratios								
Debtors (No. of Days)	27	25	28	29	33	33	33	33
Fixed Asset Turnover (x)	1.2	1.5	1.3	1.0	1.4	2.1	1.7	1.5
Leverage Ratio								
Net Debt / Equity (x)	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Cash Flow Statement								(INR b)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
OP/(Loss) before Tax	69.6	90.8	79.4	63.9	135.9	73.6	128.6	129.8
Depreciation	14.2	15.5	18.4	19.1	21.1	24.4	25.4	25.8
Interest charge	2.8	1.4	1.1	1.6	1.7	3.3	2.1	2.3
Tax paid	-13.2	-20.8	-19.6	-12.8	-32.0	-18.5	-32.4	-32.7
(Inc)/Dec in Wkg. Capital	18.9	-3.3	3.1	22.2	-29.7	45.6	-12.2	1.6
CF from Op. Activity	86.6	78.8	68.9	80.6	89.5	128.3	111.5	126.9
(Inc)/Dec in FA & CWIP	-29.4	-72.0	-54.3	-49.8	-59.2	-100.0	-100.0	-100.0
Free Cash Flow	57.2	6.7	14.5	30.9	30.4	28.3	11.5	26.9
(Pur)/Sale of Investments	-8.0	-2.7	-6.2	-10.7	-4.6	0.0	0.0	0.0
CF from Inv. Activity	-25.7	-54.4	-68.3	-38.6	-46.1	-100.0	-100.0	-100.0
Interest charge	-3.6	-1.4	-1.1	-3.2	-3.2	-3.3	-2.1	-2.3
Inc / (Dec) in Debt	-30.1	-11.3	45.2	4.6	3.6	6.4	7.0	7.7
Dividends Paid	-21.0	-20.9	-39.4	-22.4	-39.9	-11.9	-20.7	-20.9
CF from Fin. Activity	-54.7	-33.6	3.4	-35.4	-41.8	-8.8	-15.9	-15.6
Inc / ( Dec) in Cash	6.2	-9.3	4.0	6.6	1.6	19.5	-4.4	11.3
Add: Opening Balance	4.5	10.8	1.5	5.5	12.1	13.7	33.2	28.9
Closing Balance	10.8	1.5	5.5	12.1	13.7	33.2	28.9	40.2
-								

## NOTES

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

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

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

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at <a href="http://onlinereports.motilaloswal.com/Dormant/documents/List%20">http://onlinereports.motilaloswal.com/Dormant/documents/List%20</a>

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

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

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

## Regional Disclosures (outside India)

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

## For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

## For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the "1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

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

## For Singapore

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

## Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- Research Analyst has not served as director/officer/employee in the subject company
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

26 March 2023

The associates of MOFSL may have:

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

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

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

### **Analyst Certification**

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

### Terms & Conditions:

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

### Disclaimer:

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

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; <a href="www.motilaloswal.com">www.motilaloswal.com</a>. 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: <a href="mailto:na@motilaloswal.com">na@motilaloswal.com</a>, Contact No.:022-40548085.

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