

## PI Industries

 BSE SENSEX
 S&P CNX

 37,385
 11,076



## **Stock Info**

Bloomberg	PI IN
Equity Shares (m)	138
M.Cap.(INRb)/(USDb)	177.3 / 2.5
52-Week Range (INR)	1300 / 692
1, 6, 12 Rel. Per (%)	14/29/68
12M Avg Val (INR M)	148
Free float (%)	48.6

## Financials Snapshot (INR b)

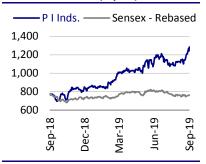
Y/E Mar	2019	2020E	2021E
Net Sales	28.4	34.4	45.7
EBITDA	5.8	7.3	10.0
PAT	4.1	5.1	6.9
EPS (INR)	29.7	37.2	50.3
Gr. (%)	11.6	24.9	35.4
BV/Sh (INR)	165.7	195.0	237.4
RoE (%)	19.5	20.6	23.3
RoCE (%)	19.2	20.4	22.4
P/E (x)	43.6	34.9	25.8
P/BV (x)	7.8	6.6	5.5

## Shareholding pattern (%)

As On	Jun-19	Mar-19	Jun-18
Promoter	51.4	51.4	51.4
DII	17.8	19.0	18.4
FII	14.1	13.3	15.4
Others	16.7	16.3	14.9

FII Includes depository receipts

## Stock Performance (1-year)



CMP: INR1,285 TP: INR1,459 (+14%)

## Buy

## Isagro Asia a good buy

## Synergies in CSM and domestic formulations

PI Industries (PI) has acquired Isagro Asia for INR3.5b at a valuation of ~15x P/E FY19. PI should derive synergies from the acquisition in custom synthesis & manufacturing (CSM) and in the domestic formulation business. Key highlights of the deal:

## Acquires Isagro Asia for INR3.5b

- PI Industries has announced the acquisition of Isagro Asia from Isagro S.p.A for INR3.5b. Isagro Asia operates in India and is engaged in contract manufacturing, local distribution and exports of agrochemicals.
- PI will acquire 100% shareholding held by Isagro S.p.A in Isagro Asia, either directly or through a subsidiary. The deal has taken place at a valuation of ~15x P/E FY19. PI will fund the acquisition partly through internal accruals and partly through debt.
- The proposed transaction is expected to be completed in 3QFY20, subject to finalization of definitive agreements, customary closing conditions and regulatory approvals. Company remains confident of integrating Isagro Asia's operations with itself in FY20.

# Acquisition to offer synergies in both CSM and domestic formulation business

- Isagro Asia generated revenue of ~INR3b in FY19; of this, 65% was contributed by the domestic formulation business and balance came in from the contract manufacturing business.
- In the domestic formulation business, Isagro sells in-licensing products, generics products and proprietary patent products. Three key in-licensing products include (i) insecticide mitigate, (ii) fungicide domark, and (iii) biostimulants siapton. PI intends to leverage its distribution network and firm up its position in the domestic market by leveraging the complementary product portfolio of Isagro Asia.
- In the contract manufacturing business (exports), Isagro Asia exports M Alcohol a technical patented product to its parent company (Isagro S.p.A) and also operates a small CSM business. Post-acquisition, PI intends to continue supplying M Alcohol to Isagro S.p.A.
- Isagro Asia has two technical lines that are currently operating at 30-40% utilization level, which PI intends to scale up post acquisition.
- Moreover, PI will also derive synergies from the acquisition, such as having an adjacent manufacturing site and de-risking the supply chain of a few products.
- Management targets to inch up EBITDA margins of Isagro Asia from 11-12% in FY19 to ~20% level (similar to the EBITDA margin profile of PI) over the next 2-3 years.

Sumant Kumar - Research Analyst (Sumant.Kumar@MotilalOswal.com); +91 22 6129 1569

Darshit Shah - Research Analyst (Darshit.Shah@MotilalOswal.com); +91 22 6129 1546

## **Valuation & View**

■ We believe that the acquisition bodes well for PI not only from the point of view of synergies but also from the perspective of valuations (at ~15x FY19 P/E). PI boasts of strong balance sheet with debt to equity of 0.04x as of FY19 (debt of ~INR99m). Thus, increasing debt is not a concern for PI.

- We have factored the acquisition into our FY21 numbers and have marginally increased our estimates for the CSM segment. Thus, we raise our revenue/EBITDA/PAT estimates for FY21 by 11.6%/9.9%/7.5%.
- We value the stock at 29x FY21E EPS and arrive at TP of INR1,459. Maintain **Buy**.

**Exhibit 1: Financial details of Isagro Asia** 

		Isagro Asia	PI Industries	% contribution of Isagro to PI		
Particulars	FY18 (€m)	FY19 (€m)	FY18 (INR m)	FY19 (INR m)	FY19 (INR m)	(FY19)
Revenue	37.4	37.8	2,939	2,970	28,409	10%
Growth %		1.1%		1.1%		
EBITDA	3.8	4.4	299	346	5,764	6%
Margin %	10.2%	11.6%	10.2%	11.6%	20.3%	
PAT	2.6	2.9	204	228	4,102	6%
Growth %		11.5%		11.5%		

Assuming currency conversion rate of INR78.6/ € | FY18 & FY19 numbers of Isagro are derived from the quarterly Source: Company, MOFSL

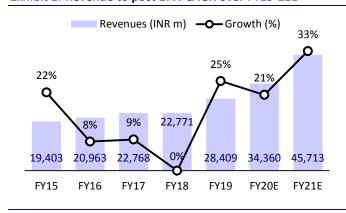
Exhibit 2: Key in-licensed domestic formulation products by Isagro Asia

Brand	<b>Active Substance</b>	Type	Biol	logical activity	Principal crops treated
Mitigate	Pyrethroids	Insecticides	s 🌣	Control of phytophagous insects	Grapevine, cotton, cereals, fruit and vegetables
Domark	Tetraconazole	Fungicides	*	Control of oidium and leaf spot	Maize, soya bean, cotton, beet, cereals, fruit and vegetables.
Siapton		Biostimulant	ts <b>*</b> <b>*</b>	Increased production Inducing resistance to abiotic factors such as salinity, drought, low temperatures, transplant shock. Increased micronutrient intake by the plants and improved pollen germination	All crops

Source: Company, MOFSL

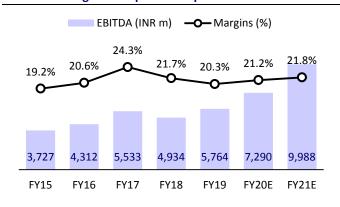
## Story in charts

Exhibit 1: Revenue to post 27% CAGR over FY19-21E



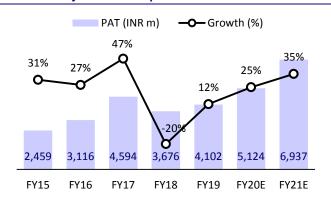
Source: MOFSL, Company

Exhibit 2: Margins to expand 160bp over FY19-21E



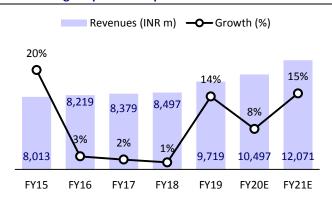
Source: MOFSL, Company

Exhibit 3: Adjusted PAT to post 30% CAGR over FY19-21E



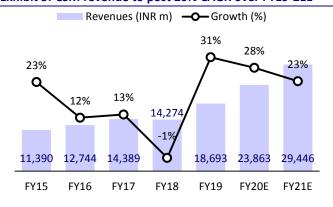
Source: MOFSL, Company

Exhibit 4: Agri-input rev. to post 11% CAGR over FY19-21E



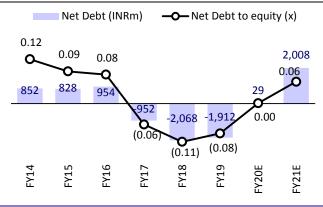
Source: MOFSL, Company

Exhibit 5: CSM revenue to post 26% CAGR over FY19-21E



Source: MOFSL, Company

Exhibit 6: Net debt to increase post acquisition



Source: MOFSL, Company

## **Financials and Valuations**

Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Net Revenue	15,955	19,403	20,963	22,768	22,771	28,409	34,360	45,713
Change (%)	38.6	21.6	8.0	8.6	0.0	24.8	20.9	33.0
EBITDA	2,889	3,727	4,312	5,533	4,934	5,764	7,290	9,988
Margin (%)	18.1	19.2	20.6	24.3	21.7	20.3	21.2	21.8
Depreciation	316	498	543	730	830	930	1,175	1,388
EBIT	2,573	3,229	3,770	4,802	4,104	4,834	6,115	8,600
Int. and Finance Charges	118	97	96	72	53	50	101	280
Other Income	158	420	355	366	603	595	684	807
PBT bef. EO Exp.	2,613	3,552	4,028	5,096	4,653	5,379	6,699	9,128
EO Items	0	0	0	0	0	0	0	0
PBT after EO Exp.	2,613	3,552	4,028	5,096	4,653	5,379	6,699	9,128
Current Tax	779	1,147	909	1,035	1,001	1,176	1,574	2,191
Deferred Tax	-46	-54	4	-534	-22	101	0	0
Tax Rate (%)	28.1	30.8	22.7	9.8	21.0	23.7	23.5	24.0
Less: Mionrity Interest/Profit & Loss of associates	0	0	0	1	-2	0	0	0
Reported PAT	1,880	2,459	3,116	4,594	3,676	4,102	5,124	6,937
Adjusted PAT	1,880	2,459	3,116	4,594	3,676	4,102	5,124	6,937
Change (%)	93.2	30.8	26.7	47.5	-20.0	11.6	24.9	35.4
Margin (%)	11.8	12.7	14.9	20.2	16.1	14.4	14.9	15.2

Balance Sheet (Consolidated)							(INR	Million)
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Equity Share Capital	136	137	137	138	138	138	138	138
Total Reserves	6,695	9,028	11,572	16,134	19,111	22,716	26,748	32,593
Net Worth	6,831	9,165	11,709	16,272	19,248	22,854	26,886	32,731
Deferred Liabilities	433	336	353	0	0	0	0	0
Total Loans	1,223	1,148	1,514	1,198	834	99	1,110	3,110
Capital Employed	8,486	10,648	13,576	17,470	20,082	22,953	27,996	35,841
Gross Block	6,957	7,539	11,503	12,942	14,298	17,109	22,719	30,669
Less: Accum. Deprn.	1,721	2,219	2,762	3,492	4,322	5,252	6,426	7,814
Net Fixed Assets	5,236	5,320	8,742	9,450	9,977	11,857	16,292	22,854
Capital WIP	425	1,332	713	773	899	1,828	1,828	1,828
Total Investments	20	4	3	833	1,607	1,291	1,291	291
Curr. Assets, Loans&Adv.	7,410	9,614	10,028	11,760	13,515	16,431	17,851	22,831
Inventory	3,188	3,782	3,948	4,320	4,520	5,357	5,931	7,890
Account Receivables	2,565	3,806	3,978	4,237	5,268	6,618	7,060	9,268
Cash and Bank Balance	371	320	560	1,326	1,307	892	1,081	1,102
Loans and Advances	1,287	1,707	1,543	1,877	2,420	3,564	3,780	4,571
Curr. Liability & Prov.	4,605	5,622	5,910	5,544	6,182	8,595	9,407	12,104
Account Payables	2,931	3,538	3,661	2,878	3,687	5,130	5,314	7,117
Provisions	341	136	196	316	340	416	416	416
Net Current Assets	2,805	3,992	4,118	6,216	7,333	7,836	8,444	10,727
Appl. of Funds	8,486	10,648	13,576	17,470	20,082	22,953	27,996	35,841

13 September 2019

## **Financials and Valuations**

Ratios								
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
Basic (INR)	1124	1113	1110	11127	1110	1113	11202	11212
EPS EPS	13.8	18.0	22.7	33.4	26.7	29.7	37.2	50.3
Cash EPS	16.1	21.6	26.7	38.7	32.7	36.5	45.7	60.4
BV/Share	50.2	67.1	85.4	118.3	139.6	165.7	195.0	237.4
DPS	2.0	2.5	3.1	4.0	5.5	4.0	6.5	0.0
Payout (%)	17.0	16.9	16.6	14.6	25.1	16.4	21.3	0.0
Valuation (x)								
P/E	93.8	72.0	57.0	38.8	48.6	43.6	34.9	25.8
Cash P/E	80.3	59.9	48.6	33.5	39.7	35.5	28.4	21.5
P/BV	25.8	19.3	15.2	11.0	9.3	7.8	6.6	5.5
EV/Sales	11.3	9.3	8.6	7.8	7.8	6.3	5.2	4.0
EV/EBITDA	62.2	48.2	41.7	32.3	36.1	30.9	24.5	18.1
Dividend Yield (%)	0.2	0.2	0.2	0.3	0.4	0.3	0.5	0.0
FCF per share	12.2	2.0	3.8	14.8	13.9	3.8	2.7	-11.7
Return Ratios (%)								
RoE	30.9	30.7	29.9	32.8	20.7	19.5	20.6	23.3
RoCE	25.3	27.5	27.1	30.4	19.8	19.2	20.4	22.4
RoIC	24.9	26.8	27.4	32.3	21.0	20.9	21.9	23.2
Working Capital Ratios								
Asset Turnover (x)	1.9	1.8	1.5	1.3	1.1	1.2	1.2	1.3
Inventory (Days)	73	71	69	69	72	69	63	63
Debtor (Days)	56	68	66	65	83	85	75	74
Creditor (Days)	116	116	115	90	115	121	104	105
Working Cap. Turnover (Days)	56	69	62	78	97	89	78	77
Leverage Ratio (x)								
Current Ratio	1.6	1.7	1.7	2.1	2.2	1.9	1.9	1.9
Interest Cover Ratio	22	33	39	67	77	97		
Debt/Equity	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1
Cash Flow Statement (Consolidated)							(INR Mi	llion)
Y/E March	FY14	FY15	FY16	FY17	FY18	FY19	FY20E	FY21E
OP/(Loss) before Tax	2,613	3,552	4,028	5,096	4,653	5,379	6,699	9,128
Depreciation	316	498	543	730	830	930	1,175	1,388
Interest & Finance Charges	118	97	96	730	53	50	101	280
Direct Taxes Paid	-779	-1,147	-909	-1,035	-1,001	-1,176	-1,574	-2,191
(Inc)/Dec in WC	-15	-1,147	114	-1,332	-1,136	-918	-420	-2,191
CF from Operations	2,253	1,762	3,872	3,533	3,399	4,265	5,981	6,343
Others	0	0	0	0	0	0	0	0
CF from Operating incl EO	2,253	1,762	3,872	3,533	3,399	4,265	5,981	6,343
(inc)/dec in FA	-591	-1,489	-3,345	-1,499	-1,482	-3,739	-5,610	-7,950
Free Cash Flow	1,662	273	527	2,034	1,918	525	371	- <b>1,607</b>
(Pur)/Sale of Investments	-14	16	1	-830	-774	316	0	1,000
Others	0	0	0	-198	-69	126	0	0
CF from Investments	-605	-1,473	-3,344	-2,527	-2,325	-3,298	-5,610	-6,950
Issue of Shares	1	0	1	0	0	0	0	0
Inc/(Dec) in Debt	-949	-75	366	-315	-365	-735	1,011	2,000
Interest Paid	-118	-97	-96	-72	-53	-50	-101	-280
Dividend Paid	-319	-416	-518	-671	-924	-672	-1,092	-1,092
Others	-52	248	-40	818	248	75	0	0
CF from Fin. Activity	-1,438	-340	-288	-240	-1,094	-1,382	-182	628
Inc/Dec of Cash	210	-51	240	766	-19	-415	189	21
Opening Balance	161	371	320	560	1,326	1,307	892	1,081
Closing Balance	371	320	560	1,326	1,307	892	1,081	1,102
				• • •	,		,	

## 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 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, Investment Advisory Services, Depository participant services & distribution of various financial products. MOFSL is a subsidiary company of Passionate Investment Management Pvt. Ltd.. (PIMPL). 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 http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

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

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

A graph of daily closing prices of securities is available at <a href="https://www.nseindia.com">www.nseindia.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.

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

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

## For U.S.

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

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

## For Singapore

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

## Specific Disclosures

- MOSL, 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. MOSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months MOSL, 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
- $MOSL\ has\ not\ acted\ as\ a\ manager\ or\ co-manager\ of\ public\ offering\ of\ securities\ of\ the\ subject\ company\ in\ past\ 12\ months$
- MOSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months MOSL has not received any compensation or other benefits from third party in connection with the research report
- MOSL has not engaged in market making activity for the subject company

13 September 2019

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company
- received compensation/other benefits from the subject company in the past 12 months
- 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.

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.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 71934200/ 022-71934263; Website www.motilaloswal.com.CIN no.: L67190MH2005PLC153397.Correspondence Office Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad(West), Mumbai-400 064. Tel No: 022 7188 1000.

Registration Nos.: Motilal Oswal Financial Services Limited (MOFSL)\*: INZ000158836(BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412. AMFI: ARN - 146822; Investment Adviser: INA000007100; Insurance Corporate Agent: CA0579;PMS:INP000006712. Motilal Oswal Asset Management Company Ltd. (MOAMC): PMS (Registration No.: INP000000670); PMS and Mutual Funds are offered through MOAMC which is group company of MOFSL. Motilal Oswal Financial Services Limited is a distributor of Mutual Funds, PMS, Fixed Deposit, Bond, NCDs,Insurance Products and IPOs.Real Estate is offered through Motilal Oswal Real Estate Investment Advisors II Pvt. Ltd. which is a group company of MOFSL. Private Equity is offered through Motilal Oswal Private Equity Investment Advisors Pvt. Ltd which is a group company of MOFSL. Research & Advisory services is backed by proper research. Please read the Risk Disclosure Document prescribed by the Stock Exchanges carefully before investing. There is no assurance or guarantee of the returns. Investment in securities market is subject to market risk, read all the related documents carefully before investing. Details of Compliance Officer: Name: Neeraj Agarwal, Email ID: na@motilaloswal.com, Contact No.:022-71881085.

\* MOSL has been amalgamated with Motilal Oswal Financial Services Limited (MOFSL) w.e.f August 21, 2018 pursuant to order dated July 30, 2018 issued by Hon'ble National Company Law Tribunal, Mumbai Bench.