

# **Cummins India**

BSE SENSEX 37,327 **S&P CNX** 11,032

**CMP: INR603** 

TP: INR695 (+15%)

**BUY** 

## Motilal Oswal values your support in the Asiamoney Brokers Poll 2019 for India Research, Sales and Trading team. We request your ballot.



Bloomberg	KKC IN
Equity Shares (m)	277
M.Cap.(INRb)/(USDb)	167 / 2.4
52-Week Range (INR)	885 / 587
1, 6, 12 Rel. Per (%)	-16/-22/-10
12M Avg Val (INR M)	424
Free float (%)	49.0

# Financials & Valuations(INR b)

Y/E Mar	2019	2020E	2021E
Net Sales	56.6	60.4	68.6
EBITDA	8.6	8.1	9.7
PAT	7.2	6.9	8.0
EPS (INR)	26.1	24.8	28.9
Gr. (%)	10.8	-4.9	16.4
BV/Sh (INR)	149.0	159.0	170.7
RoE (%)	17.8	16.1	17.5
RoCE (%)	16.9	15.3	16.6
P/E (x)	23.1	24.3	20.9
P/BV (x)	4.0	3.8	3.5

Estimate change	I I
TP change	T T
Rating change	

# Miss on all fronts; hurt by weakness in higher-margin exports biz

- Op. performance below expectations: KKC missed our expectations on all fronts. Revenue growth was tepid at 1% YoY (our estimate: 10%) in 1QFY20 due to a decline in exports (-26% YoY). De-growth in the higher-margin export business dragged the overall margin to its lowest level in a decade at 11.3%. Thus, EBITDA declined 30% YoY to INR1.5b (35% miss). Adj. PAT was down 23% YoY to INR1.4b (25% miss).
- The root cause weak demand trends in overseas markets: The decline in exports is attributable to weak demand in the key markets of Africa, the Middle East and Asia. LHP exports declined 39% YoY to INR1.3b, while HHP exports were down 10% YoY to INR1.7b. Domestic business grew robustly by 16% YoY to INR9.9b, led by strong growth in Power Generation (+9% YoY) and Industrial (+39% YoY) segments. Distribution & Services segment delivered moderate growth of 8% YoY to INR3.5b. However, management has lowered its domestic revenue growth guidance to 8-10% from 12-15% earlier owing to the ongoing economic slowdown. This implies residual growth of 6-9% in the remaining nine months of FY20.
- Margins no relief in sight given weak exports outlook: Operating margin shrank 490bp YoY to 11.3% in 1QFY20 on account of a weak revenue mix (25% exports revenue v/s 34% in 1QFY19). Also, INR movement adversely impacted the margin by 100bp. With global markets expected to remain soft and low visibility in the key markets of Africa and South America, management expects exports to decline 12-15% in FY20 (v/s guidance of flat-to-negative growth at the start of the year). To factor in the potential adverse revenue mix in FY20, we have scaled down our margin estimates by 170bp for FY20 (13.4% v/s 15.2% earlier).
- Lowering earnings estimate and TP; maintaining Buy on cheap valuations: We cut our earnings estimate by 13%/11% for FY20/21 to factor in (a) the pressure on margins, given intense competition in the domestic business and (b) the weak exports outlook. We scale down our TP to INR695 as we assign a target multiple of 24x FY21E EPS. At CMP, the stock trades at FY20/21E P/E of 24x/21x. We maintain Buy given cheap valuations.

MOTILAL OSWAL **Cummins India** 

KKC: Quarterly	v Performance	(Standalone)
NNC. Qualteri	v remoninance	(Jianualune <i>)</i>

(INR	Million)
Vs Est.	Var.
	4-43

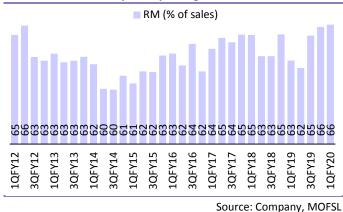
		FY1	9			FY20	DE		FY19	FY20E	Vs Est.	Var.
Y/E March	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE	•		1QE	(%)
Sales	13,280	14,869	15,038	13,404	13,430	15,636	16,373	14,950	56,590	60,387	14,620	-8.1%
Change (%)	-1.0	28.9	11.0	8.7	1.1	5.2	8.9	11.5	11.3	6.7	10.1	
EBITDA	2,147	2,509	2,267	1,718	1,514	2,142	2,292	1,998	8,641	8,116	2,325	-34.9%
Change (%)	9.9	49.8	15.3	-0.7	-29.5	-14.6	1.1	16.3	24.0	10.4	8.3	
As of % Sales	16.2	16.9	15.1	12.8	11.3	13.7	14.0	13.4	15.3	13.4	15.9	
Depreciation	271	274	279	280	291	295	295	298	1,103	1,179	292	
Interest	36	40	41	45	52	40	42	28	162	162	38	
Other Income	696	785	755	692	769	790	770	717	2,928	3,046	714	
PBT	2,536	2,980	2,702	2,085	1,940	2,597	2,725	2,388	10,304	9,820	2,709	-28.4%
Tax	706	865	831	676	525	779	818	824	3,078	2,946	813	
Effective Tax Rate (%)	27.8	29.0	30.8	32.4	27.1	30.0	30.0	34.5	29.9	30.0	30.0	
Adjusted PAT	1,830	2,116	1,871	1,409	1,415	1,818	1,908	1,564	7,226	6,874	1,896	-25.4%
Change (%)	10.2	38.4	8.7	(12.6)	(22.7)	(14.1)	2.0	11.0	10.8	(4.9)	3.6	
Extra-ordinary Income (net)	-	-	-	-	-	-	-	-	-	-	-	
Reported PAT	1,830	2,116	1,871	1,409	1,415	1,818	1,908	1,564	7,226	6,874	1,896	-25.4%
Change (%)	(17.6)	38.4	8.7	(12.6)	(22.7)	(14.1)	2.0	11.0	2.0	(4.9)	3.6	

Exhibit 1: Revenue growth muted at 1% YoY impacted by weak performance in exports segment

29 23 13.6 10.7 11.5

Source: Company, MOFSL

Exhibit 2: RM costs up 330bp YoY given adverse revenue mix



Domestic business growth offset by weak export performance

- Domestic business grew by a robust 16% YoY to INR9.9b, supported by strong growth in the power generation (+9% YoY) and industrial (+39% YoY) segments. Demand from infrastructure segments supported domestic growth.
- Distribution & service segment delivered moderate growth of 8% YoY to INR3.4b.

2 8 August 2019

**Exhibit 3: Quarterly Cost structure analysis** 

INR M	4QFY17	1QFY18	2QFY18	3QFY18	4QFY18	1QFY19	2QFY19	3QFY19	4QFY19	1QFY20
Raw Materials	7,707	8,435	7,282	8,546	8,031	8,330	9,217	9,771	8,817	8,862
Staff Costs	1,069	1,226	1,257	1,317	1,180	1,265	1,468	1,379	1,346	1,376
Other Expenses	1,368	1,506	1,326	1,717	1,391	1,538	1,676	1,620	1,523	1679
Total	10,144	11,455	9,864	11,580	10,602	11,133	12,360	12,770	11,686	11,916
% of Revenues										
Raw Materials	65.1	65.1	63.1	63.1	65.1	62.7	62.0	65.0	65.8	66.0
Staff Costs	9.0	9.1	10.9	9.7	9.6	9.5	9.9	9.2	10.0	10.2
Other Expenses	11.5	11.2	11.5	12.7	11.3	11.6	11.3	10.8	11.4	12.5
% YoY										
Raw Materials	14.0	8.6	-12.1	-2.0	4.0	-4.5	-1.1	14.3	6.6	6.4
Staff Costs	6.3	17.9	13.5	19.6	10.4	3.2	-1.0	4.7	14.1	8.8
Other Expenses	6.0	3.5	-9.0	17.4	1.6	2.0	-0.2	-6.0	9.5	9.2

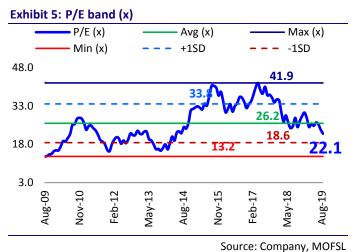
Source: Company, MOFSL

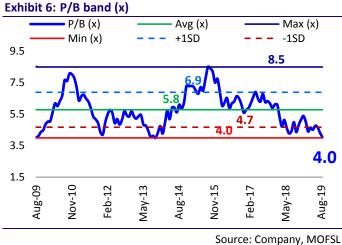
## Valuation and view

■ We cut our earnings estimate by 13%/11% for FY20/21 to factor in (a) the pressure on margins, given intense competition in the domestic business and (b) the weak exports outlook. We scale down our TP to INR695 as we assign a target multiple of 24x FY21E EPS. At CMP, the stock trades at FY20/21E P/E of 24x/21x. We maintain **Buy** given cheap valuations.

**Exhibit 4: Change in estimates** 

Earnings Change	O	Old		ew	Change	
INR m	FY20E	FY21E	FY20E	FY21E	FY20E	FY21E
Revenue	63,362	71,044	60,387	68,613	-5%	-3%
EBITDA	9,607	11,188	8,116	9,721	-16%	-13%
EBITDA margin	15.2%	15.7%	13.4%	14.2%	-1.7%	-1.6%
Reported PAT	7,918	9,032	6,874	8,005	-13%	-11%
Adj. PAT	7,918	9,032	6,874	8,005	-13%	-11%





# **Financials and valuations**

Income Statement					(INR Million)
Y/E March	2017	2018	2019	2020E	2021E
Total Revenues	50,773	50,825	56,590	60,387	68,613
Change (%)	7.8	0.1	11.3	6.7	13.6
Raw Materials	32,745	32,581	36,135	39,252	44,599
Staff Cost	4,334	4,979	5,458	5,989	6,560
Other Expenses	5,677	5,940	6,356	7,030	7,734
EBITDA	8,018	7,325	8,641	8,116	9,721
% of Total Revenues	15.8	14.4	15.3	13.4	14.2
Depreciation	848	938	1,103	1,179	1,293
Other Income	2,080	2,285	2,928	3,046	3,169
Interest	168	148	162	162	162
PBT	9,082	8,523	10,304	9,820	11,435
Tax	1,736	2,000	3,078	2,946	3,431
Rate (%)	19.1	23.5	29.9	30.0	30.0
Adjusted PAT	7,346	6,524	7,226	6,874	8,005
Extra-ordinary Income (net)	0	561	0	0	0
Reported PAT	7,346	7,085	7,226	6,874	8,005
Change (%)	-2.6	-3.6	2.0	-4.9	16.4
Balance Sheet					(INR Million)
Y/E March	2017	2018	2019	2020E	2021E
Share Capital	554	554	554	554	554
Reserves	36,867	39,306	40,750	43,525	46,757
Net Worth	37,422	39,861	41,305	44,080	47,311
Loans	2,508	2,515	3,092	3,092	3,092
Deferred Tax Liability	24	299	988	988	988
Capital Employed	39,953	42,675	45,384	48,159	51,391
Gross Fixed Assets	22,705	28,665	29,676	32,676	35,676
Less: Depreciation	7,703	8,445	9,548	10,727	12,020
Net Fixed Assets	15,001	20,193	20,128	21,949	23,656
Capital WIP	4,631	380	1,585	1,585	1,585
Investments	7,074	5,487	2,853	2,853	2,853
Curr. Assets	23,702	29,253	33,970	35,435	38,855
Inventory	5,621	5,375	6,254	6,496	7,398
Debtors	9,557	13,263	12,727	13,221	15,055
Cash & Bank Balance	1,291	4,709	7,379	7,812	7,399
Loans & Advances	1,287	1,287	0	0	0
Other Assets	5,948	4,621	7,610	7,906	9,003
Current Liab. & Prov.	10,455	12,637	13,152	13,663	15,558
Current Liabilities	9,036	11,114	11,450	11,895	13,545
Provisions	1,419	1,523	1,702	1,768	2,013
Net Current Assets	13,247	16,616	20,818	21,772	23,296
Application of Funds	39,953	42,675	45,384	48,159	51,391

# **Financials and valuations**

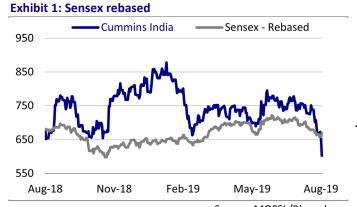
Ratios					
Y/E March	2017	2018	2019	2020E	2021E
Basic (INR)					
Adj EPS	26.5	23.5	26.1	24.8	28.9
Cash EPS	29.6	26.9	30.0	29.1	33.5
Book Value	135.0	143.8	149.0	159.0	170.7
DPS	14.0	15.0	13.0	12.3	14.3
Payout (incl. Div. Tax.)	52.8	58.7	49.7	49.7	49.7
Valuation (x)					
P/E	22.8	25.6	23.1	24.3	20.9
Cash P/E	20.4	22.4	20.1	20.8	18.0
EV/EBITDA	21.0	22.5	18.8	20.0	16.8
EV/Sales	3.4	3.3	2.9	2.8	2.4
Price/Book Value	4.5	4.2	4.0	3.8	3.5
Dividend Yield (%)	2.3	2.5	2.1	2.0	2.4
Profitability Ratios (%)					
RoE	21.2	18.3	17.8	16.1	17.5
RoCE	20.0	16.1	16.9	15.3	16.6
RoIC	22.1	16.6	16.1	14.0	15.6
Turnover Ratios					
Debtors (Days)	69	95	82	82	82
Inventory (Days)	40	39	40	40	40
Creditors. (Days)	44	54	53	53	53
Asset Turnover (x)	1.3	1.2	1.2	1.3	1.3
Leverage Ratio					
Debt/Equity (x)	0.1	0.1	0.1	0.1	0.1
Cash Flow Statement					(INR Million)
Y/E March	2017	<b>2018</b> E	2019E	2020E	2020E
PBT before EO Items	9,082	9,084	10,304	9,820	11,435
Depreciation	848	938	1,103	1,179	1,293
Interest	-9	-35	162	162	162
Direct Taxes Paid	-1,867	-1,823	-3,078	-2,946	-3,431
(Inc)/Dec in WC	371	(370)	(1,694)	(684)	(2,099)
CF from Operations	8,426	7,795	6,797	7,531	7,360
EO Income	-983	-1,464	662	0	0
CF from Oper. Incl. EO Items	7,443	6,331	7,459	7,531	7,360
(Inc)/Dec in FA	(2,315)	(905)	(2,217)	(3,000)	(3,000)
Free Cash Flow	5,128	5,426	5,242	4,531	4,360

2,763 2,634 (2,538) 0 **Investment & Others** 0 -3,000 -3,000 **CF from Investments** -4,853 1,858 417 (Inc)/Dec in Networth 0 0 (1,473)0 0 (Inc)/Dec in Debt 0 0 0 0 0 Interest Paid -90 -100 0 0 0 Dividend Paid -4,663 -4,639 -4,309 -4,099 -4,773 Others 2,508 576 0 8 0 **CF from Fin. Activity** (4,099) (2,245) (4,731) (5,206) (4,773) Inc/Dec of Cash (413) 344 3,458 2,671 432 Add: Beginning Balance 897 1,239 4,709 7,379 7,812 **Closing Balance** 4,696 7,399 1,241 7,379 7,812

# **Corporate profile**

## **Company description**

Cummins India is a 51 % subsidiary of Cummins Inc. USA. Cummins India is the country's leading manufacturer of diesel and natural gas engines for power generation, industrial and automotive markets. Cummins in India is a group of eight legal entities (including Cummins India) across 200 locations in the country with a combined turnover of USD1.5b in 2013 and employing close to 9,000 individuals.



Source: MOFSL/Bloomberg

Exhibit 2: Shareholding pattern (%)

	Jun-19	Mar-19	Jun-18
Promoter	51.0	51.0	51.0
DII	27.9	27.2	23.1
FII	9.1	9.1	13.2
Others	12.1	12.7	12.7

Note: FII Includes depository receipts Source: Capitaline

**Exhibit 3: Top holders** 

Holder Name	% Holding
Life Insurance Corporation Of India	4.5
Axis Mutual Fund Trustee Limited A/C Axis Mutual Fund A/C Axis Long Term Equity Fund	4.2
Sbi Blue Chip Fund	4.0
Reliance Capital Trustee Co Ltd.A/C Reliance Large Cap Fund	2.3
Franklin Templeton Mutual Fund A/C Franklin India Equity Fund	1.7

Source: Capitaline

**Exhibit 4: Top management** 

Designation
Chairman
Managing Director
Director
Director
Director

Source: Capitaline

**Exhibit 5: Directors** 

Name	Name
Anjuly Chib Duggal*	Rajeev Bakshi*
Nasser Munjee*	Venu Srinivasan*
P S Dasgupta*	J M Barrowman
Prakash M Telang*	Donald G Jackson

\*Independent

## **Exhibit 6: Auditors**

Name	Туре
Ajay Joshi and Associates	Cost Auditor
K R Chandratre	Secretarial Audit
S R B C & Co LLP	Statutory

Source: Capitaline

Exhibit 7: MOFSL forecast v/s consensus

EPS	MOFSL	Consensus	Variation
(INR)	forecast	forecast	(%)
FY20	24.8	28.5	-13.0
FY21	28.9	32.5	-11.0

Source: Bloomberg

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.

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>, <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.

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

8 August 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. 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.