S&P CNX

15,832

Container Corporation

BSE SENSEX

53,161

Motilal Oswal values your support in the Asiamoney Brokers Poll 2022 for India Research, Sales, Corporate Access and Trading team. We request your ballot.



Stock Info

Bloomberg	CCRI IN
Equity Shares (m)	609
M.Cap.(INRb)/(USDb)	380 / 4.9
52-Week Range (INR)	754 / 554
1, 6, 12 Rel. Per (%)	-2/10/-11
12M Avg Val (INR M)	1143
Free float (%)	45.2

Financials Snapshot (INR b)

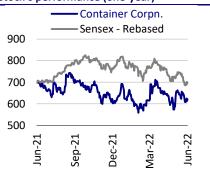
rinaneiais enaps		1	
Y/E March	2022	2023E	2024E
Net Sales	75.9	90.6	108.2
EBITDA	17.3	20.5	24.8
Adj. PAT	10.6	12.8	15.7
Adj. EPS (INR)	17.4	21.0	25.7
EPS Gr. (%)	81.1	20.2	22.7
BV/Sh. (INR)	176.9	185.3	195.6
Ratios			
Net D/E (x)	(0.3)	(0.3)	(0.4)
RoE (%)	10.1	11.6	13.5
RoCE (%)	10.5	12.0	13.9
Payout (%)	51.6	60.0	60.0
Valuations			
P/E (x)	35.8	29.8	24.2
P/BV (x)	3.5	3.4	3.2
EV/EBITDA (x)	19.5	16.0	12.9
Div. Yield (%)	1.4	2.0	2.5
FCF Yield (%)	2.0	3.5	4.2
-			

Shareholding pattern (%)

As On	Mar-22	Dec-21	Mar-21
Promoter	54.8	54.8	54.8
DII	17.0	15.7	16.5
FII	23.5	24.9	24.0
Others	4.7	4.7	4.7

FII Includes depository receipts

Stock's performance (one-year)



CMP: INR624

TP: INR750 (+20%)

Buy

Well placed to capitalize from the DFC opportunity

- CCRI witnessed a robust performance over FY22, with 12% volume growth and robust margin improvement. Growth was driven by Domestic volumes, which grew 32% in FY22 as against an 8% growth in EXIM volumes.
- Going forward, CCRI is very well placed to capitalize on the DFC opportunity. While it is already benefiting from the partial commissioning of the Rewari-to-Palanpur DFC (with a faster turnaround time and improved efficiency), additional benefits are expected to flow through once JNPT and Dadri is connected to the DFC. It aims to handle ~5m TEUs in FY23E.
- The company is looking to enter into a long-term lease arrangement for its terminals owned by the Indian Railways and expects a development on that front soon. With decent volume growth and margin, we expect CCRI to clock a revenue/EBITDA/PAT CAGR of ~19%/20%/21% over FY22-24. The stock trades at 13x FY24E EV/EBITDA. We maintain our Buy rating on the stock with a DCF-based TP of INR750, implying a potential upside of 20%.

Commissioning of the DFC to drive sustainable volumes and earnings performance for CCRI

- CCRI is witnessing the benefits emanating from the recent commissioning of the Rewari-to-Palanpur DFC stretch. There has been a significant gain in terms of faster turnaround time and improved efficiency. Further benefits are expected once the DFC is connected to Dadri and JNPT. While DFC construction has been slow due to the COVID-19 pandemic and land availability issues, the same is expected to be ramped up.
- The company is targeting an EXIM/domestic volume growth of 12-15%/25% YoY, taking total volumes to ~5m TEUs in FY23E. The domestic segment is expected to grow faster than EXIM and reach ~25mt by FY25.
- Being the market leader in Rail container transportation, CCRI will be one of the biggest beneficiaries of the DFC. Along with an improvement in volumes (due to shift in volumes from Road to Rail), it will also lead to improved efficiency and margin enhancement.

CCRI is targeting new growth areas to enhance volumes; focus is on boosting network Infra, with a huge capex plan over the next few years

- CCRI started bulk cement commercial operations in FY22. The company sees extremely strong potential in cement transportation and is looking to handle volumes of ~12mt over the next three years. Trial runs have also been conducted for transporting food grains in containers.
- It is also witnessing strong interest for 3PL logistics and distribution logistics services. It is working with OEM equipment manufacturers for first mile last mile operations. These new business lines can provide strong support to growth in the long term.

Alok Deora - Research analyst (Alok.Deora@motilaloswal.com)

Dhirendra Patro- Research analyst (Dhirendra.Patro@motilaloswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

 CCRI is planning a capex of INR80b over the next three-to-four years to be executed through internal accruals. This investment will largely be towards infrastructure, rolling stock, containers, and equipment.

Valuation and view

- We expect CCRI to witness a robust volume pick-up, driven by the commissioning of the DFC, thereby leading to 19% revenue CAGR over FY22-24. With a pick-up in domestic volumes and efficiency improvements from DFCs, EBITDA margin for CCRI is likely to remain stable ~23%, resulting in 20% EBITDA CAGR over FY22-24.
- The stock trades at 13x FY24E EV/EBITDA. We maintain our Buy rating on the stock with a DCF-based TP of INR750, implying a potential upside of 20%.

Timelines revised for DFCs

- The Dedicated Freight Corridor Corporation of India (DFCCIL) has so far commissioned 1,277km of the proposed 2,843km, pertaining to stretches undertaken by the government for both corridors.
- The completion deadline for the Eastern and Western Dedicated Freight Corridors (DFCs) has been extended by two years to Mar'24 due to pandemicinduced challenges and land acquisition delays.
- As reported by DFCCIL, the progress of works in the 0.3km stretch of the Khurja-Dadri section of EDFC in the GB Nagar District and five patches affecting a length of 3.897km in WDFC has been stuck due to various land issues.
- DFCs enable carrying of higher load capacities through double stacking of trains. Overall, double stacking is up 45% YoY to 3,757 trains in FY22 (FY21: 2,574) with the commissioning of the Rewari-Palanpur section of WDFC for CCRI.

Section/packages		Length	Commissioning target	Financial progress		
WDFC						
Doweri Delennur	Rewari-Madar	306km	Commissioned			
Rewari-Palanpur	Madar-Palanpur	353km	Commissioned			
Palanpur-Makarpura		290km	Jun'23			
Makarpura-Sachin		135km	Jun'23	74 %		
Sachin-Vaitarna		186km	Mar'23			
Vaitarna-JNPT		109km	Mar'24			
Dadri-Rewari		127km	Dec'22			
EDFC						
Bhaupur-Khurja		351km	Commissioned			
	Bhaupur-Rooma	50km	Dec'22			
Bhaupur - DDU	Rooma-Sujatpur	130km	Commissioned			
	Sujatpur-DDU	222km	Mar'23	84 %		
DDU -Sonnagar		137km	Commissioned			
Khurja-Dadri		46km	Sep'22			
Pilkhani–Ludhiana		179km	Jun'23			
Khurja-Pilkhani		222km	Mar'23			

Exhibit 1: Completion status of WDFC and EDFC

Source: DFCCIL, MOFSL

Story in charts

Exhibit 1: Quarterly EXIM and domestic volume trends ('000 TEU)

Vo	olume	es ('000 ⁻	TEU)				EX	IM			Dome	estic		C) Tota	ıl							
735 0 103 632	C 10)5	783 0 117 666	801 0 136 665	843 0 130 713	871 0 118 753	867 0 128 739	951 0 154 797	936 141 794	989 140 849	926 140 786	979 0 163 816	927 140 786	969 143 826	910 0 144 767	941 0 166 775	733 0 105 628	886 141 745	966 181 805	1,059 200 859	992 0 177 815	981 188 792	1,032 203 829	236 833
1Q	I	ב FY1	3Q .7	4Q	1Q	2Q FY	3Q 18	4Q	1Q	2Q FY	3Q 19	4Q	1Q	2Q FY	3Q 20	4Q	1Q	2Q FY	3Q 21	4Q	1Q	2Q FY	3Q 22	4Q

Exhibit 2: Quarterly EXIM and domestic volume growth YoY ('000 TEU)

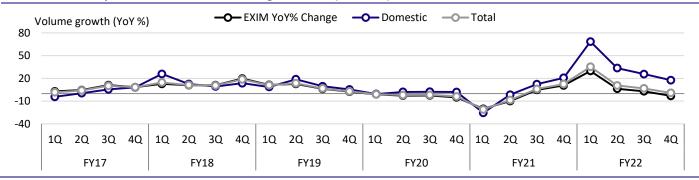


Exhibit 3: Trends in quarterly EXIM and domestic realization per TEU

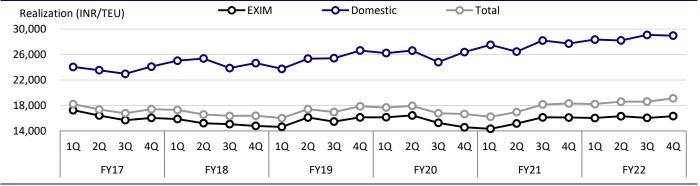
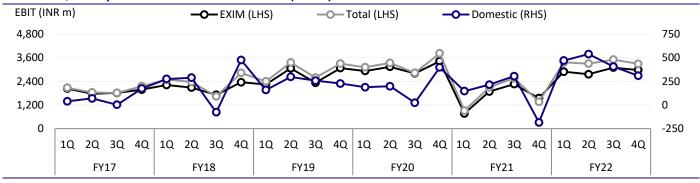


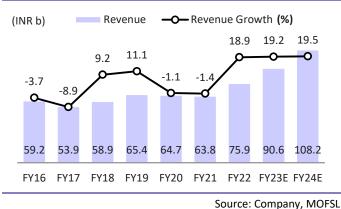
Exhibit 4: Quarterly EXIM and domestic EBIT trends (INR m)



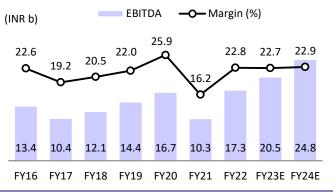
Source: MOFSL, Company

MOTILAL OSWAL









Source: Company, MOFSL



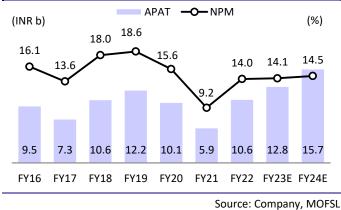
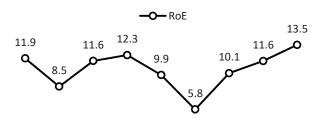


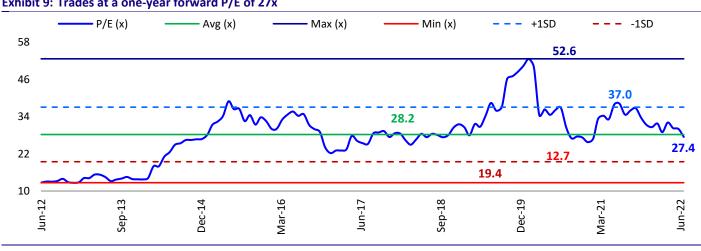


Exhibit 8: Return ratios to follow stronger earnings



FY16 FY17 FY18 FY19 FY20 FY21 FY22 FY23E FY24E

Source: Company, MOFSL



Source: Company, MOFSL

Financials and valuations

Standalone Income Statement

Y/E March (INR m)	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Total Income from Operations	59,217	53,946	58,893	65,427	64,738	63,850	75,945	90,563	108,198
Change (%)	-3.7	-8.9	9.2	11.1	-1.1	-1.4	18.9	19.2	19.5
Total Expenditure	45,834	43,593	46,814	51,019	47,989	53,521	58,661	70,035	83,376
As a percentage of Sales	77.4	80.8	79.5	78.0	74.1	83.8	77.2	77.3	77.1
EBITDA	13,384	10,354	12,079	14,408	16,749	10,329	17,284	20,527	24,822
Margin (%)	22.6	19.2	20.5	22.0	25.9	16.2	22.8	22.7	22.9
Depreciation	3,478	3,518	3,927	4,246	5,130	5,219	5,298	5,480	5 <i>,</i> 890
EBIT	9,906	6,835	8,152	10,162	11,619	5,109	11,986	15,047	18,932
Int. and Finance Charges	2	37	1	7	361	340	546	600	600
Other Income	3,175	2,892	5,705	6,735	2,797	2,855	2,631	2,631	2,631
PBT bef. EO Exp.	13,080	9,691	13,856	16,889	14,056	7,625	14,071	17,078	20,963
EO Items	0	1,250	-129	0	-8,816	-834	-1	0	0
РВТ	13,080	10,941	13,727	16,889	5,240	6,791	14,070	17,078	20,963
Current Tax	2,843	3,206	3,862	4,841	3,208	2,129	3,805	4,304	5,283
Deferred Tax	728	-845	-579	-107	-1,726	-371	-358	0	0
Тах	3,571	2,361	3,283	4,735	1,482	1,758	3,447	4,304	5,283
Tax Rate (%)	27.3	21.6	23.9	28.0	28.3	25.9	24.5	25.2	25.2
Reported PAT	9,508	8,580	10,445	12,154	3,758	5,033	10,623	12,774	15,680
Adjusted PAT	9,508	7,331	10,574	12,154	10,120	5,867	10,624	12,774	15,680
Change (%)	-9.8	-22.9	44.2	14.9	-16.7	-42.0	81.1	20.2	22.7
Margin (%)	16.1	13.6	18.0	18.6	15.6	9.2	14.0	14.1	14.5

Standalone Balance Sheet

Standarone Dalance Sheet									
Y/E March (INR m)	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Equity Share Capital	1,950	1,950	2,437	3,047	3,047	3,047	3 <i>,</i> 047	3,047	3,047
Total Reserves	81,507	86,512	91,574	1,00,632	97,601	98,991	104,727	109,836	116,108
Net Worth	83,457	88,462	94,011	1,03,679	1,00,647	1,02,037	107,773	112,883	119,155
Deferred Liabilities	3,546	2,769	2,533	1,616	0	0	0	0	0
Total Loans	0	0	0	7,007	0	0	0	0	0
Capital Employed	87,002	91, <mark>23</mark> 1	96,544	1,12,301	1,00,647	1,02,037	107,773	112,883	119,155
Gross Block	31,473	40,676	47,332	57,038	70,379	81,028	87,217	93,217	100,717
Less: Accum. Deprn.	3,474	6,978	10,848	15,091	20,686	28,011	33,309	38,789	44,680
Net Fixed Assets	28,000	33,698	36,484	41,947	49,694	53,018	53,908	54,427	56,037
Capital WIP	5,133	5,071	6,710	6,247	9,375	9,198	7,482	7,482	7,482
Total Investments	13,576	13,737	13,890	14,029	14,441	14,452	14,356	14,356	14,356
Curr. Assets, Loans, and Adv.	47,591	46,904	49,395	63,845	42,013	44,735	51,365	59,554	68,531
Inventory	180	229	275	233	261	239	307	366	436
Account Receivables	493	425	604	884	1,591	1,555	1,761	2,100	2,509
Cash and Bank Balance	7,999	16,835	19,817	1,704	21,686	24,732	28,879	36,669	45,167
Loans and Advances	38,921	29,415	28,699	61,025	18,475	18,209	20,419	20,419	20,419
Curr. Liability and Prov.	7,579	8,546	10,592	13,767	15,020	19,908	20,244	23,843	28,156
Account Payables	1,868	2,415	2,542	3,504	1,553	2,709	4,236	5,058	6,021
Other Current Liabilities	5,202	5,441	7,344	9,544	12,776	15,500	14,428	17,205	20,556
Provisions	510	690	705	719	692	1,699	1,579	1,579	1,579
Net Current Assets	40,012	38,357	38,804	50,078	26,992	24,827	31,122	35,712	40,374
Appl. of Funds	87,002	91,231	96,544	1,12,301	1,00,647	1,02,037	107,773	112,883	119,155

Financial and valuations

Y/E March	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Basic (INR)									
EPS	15.6	12.0	17.4	19.9	16.6	9.6	17.4	21.0	25.7
Cash EPS	21.3	17.8	23.8	26.9	25.0	18.2	26.1	30.0	35.4
BV/Share	137.0	145.2	154.3	170.2	165.2	167.5	176.9	185.3	195.6
DPS	4.3	6.3	6.9	8.5	3.6	5.0	9.0	12.6	15.4
Payout (%)	33.3	51.9	48.0	51.4	60.7	60.5	51.6	60.0	60.0
Valuation (x)									
P/E ratio					37.6	64.8	35.8	29.8	24.2
Cash P/E ratio					24.9	34.3	23.9	20.8	17.6
P/BV ratio					3.8	3.7	3.5	3.4	3.2
EV/Sales ratio					5.3	5.3	4.4	3.6	3.0
EV/EBITDA ratio					20.5	33.0	19.5	16.0	12.9
Dividend Yield (%)					0.6	0.8	1.4	2.0	2.5
FCF per share					53.8	9.4	12.2	22.0	26.1
Return Ratios (%)									
RoE	11.9	8.5	11.6	12.3	9.9	5.8	10.1	11.6	13.5
RoCE	11.5	8.6	11.2	11.6	9.7	5.8	10.5	12.0	13.9
RoIC	14.6	9.3	11.1	10.0	11.5	7.0	16.3	20.2	26.6
Working Capital Ratios									
Asset Turnover (x)	0.7	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.9
Inventory (Days)	1	2	2	1	1	1	1	1	1
Debtor (Days)	3	3	4	5	9	9	8	8	8
Creditor (Days)	19	26	26	34	16	29	38	38	38
Leverage Ratio (x)									
Current Ratio	6.3	5.5	4.7	4.6	2.8	2.2	2.5	2.5	2.4
Net Debt/Equity ratio	-0.1	-0.2	-0.2	0.1	-0.2	-0.2	-0.3	-0.3	-0.4

Standalone Cash Flow Statement

Y/E March (INR m)	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
OP/(Loss) before Tax	13,080	11,806	13,857	16,889	5,240	6,791	14,070	17,078	20,963
Depreciation	3,627	3,650	3,927	4,246	5,130	5,219	5,298	5,480	5,890
Interest and Finance Charges	-2,914	-2,514	-2,332	-2,247	-1,678	-1,648	-1,302	-2,031	-2,031
Direct Taxes Paid	-3,192	-3,868	-3,360	-5,404	-1,382	-2,444	-3,568	-4,304	-5,283
(Inc.)/Dec. in WC	-21,026	9,575	1,169	-33,386	26,758	1,691	-1,003	3,200	3,835
CF from Operations	-10,426	18,650	13,260	-19,902	34,067	9,610	13,496	19,424	23,375
Others	-27	-69	19	15	8,621	633	-90	0	0
CF from Operations incl. EO	-10,453	18,581	13,279	-19,887	42,689	10,243	13,406	19,424	23,375
(inc.)/dec. in FA	-5,818	-9,143	-8,595	-7,040	-9,888	-4,501	9,597	-6,000	-7,500
Free Cash Flow	-16,271	9,438	4,684	-26,927	32,801	5,741	23,002	13,424	15,875
(Pur.)/Sale of Investments	0	0	-153	-139	-618	-570	595	0	0
Others	1,537	2,978	3,451	21,639	-15,227	2,310	-13,684	2,631	2,631
CF from Investments	-4,281	-6,165	-5,297	14,461	-25,733	- 2,761	-3,492	- 3,3 69	-4,869
Issue of Shares	0	0	0	0	0	0	0	0	0
(Inc.)/Dec. in Debt	0	0	0	7,007	-7,007	0	0	0	0
Interest Paid	-2	-37	-1	-7	-81	-1	0	-600	-600
Dividend Paid	-2,613	-2,944	-4,168	-1,828	-5,666	-3,564	-4,874	-7,665	-9,408
Others	-532	-599	-831	-366	-1,714	-869	-893	0	0
CF from Fin. Activity	-3,146	-3,580	-4,999	4,805	-14,467	-4,434	-5,767	-8,265	-10,008
Inc./Dec. in Cash	-17,881	8,836	2,983	-621	2,489	3,047	4,146	7,790	8,498
Opening Balance	25,879	7,999	16,835	19,817	19,196	21,685	24,732	28,879	36,669
Closing Balance	7,999	16,835	19,817	19,196	21,685	24,732	28,879	36,669	45,167

ΝΟΤΕS

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 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 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 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 MOČMSPL 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
- 4 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
- 6
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company
- 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.: INP00000670); PMS and Mutual Funds are offered through MOAMC which is group company of MOFSL. Motilal Oswal Asset Management Company Ltd. (MOAMC): PMS (Registration No.: INP000004409) is offered through MOWML, which is a 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. Notilal Oswal Financial Services 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. Private Equity is offered through Motilal Oswal Private Equity Investment Advisors Pvt. Ltd which is a group company of MOFSL. 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. 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.