

BSE SENSEX	S&P CNX
55,792	16,615

Motilal Oswal values your support in the Asiamoney Brokers Poll 2021 for India Research, Sales, Corporate Access and Trading team. We request your ballot.



Stock Info

Bloomberg	GLXO IN
Equity Shares (m)	169
M.Cap.(INRb)/(USDb)	270.4 / 3.6
52-Week Range (INR)	1805 / 1379
1, 6, 12 Rel. Per (%)	-4/3/-41
12M Avg Val (INR M)	125
Free float (%)	25.0

Financials Snapshot (INR b)

Y/E MARCH	2021	2022E	2023E
Sales	32.0	35.5	38.7
EBITDA	7.0	8.0	8.4
Adj. PAT	5.0	5.9	6.4
EBIT Margin (%)	19.3	20.6	20.5
Cons. Adj. EPS (INR)	29.4	34.7	38.0
EPS Gr. (%)	4.4	18.0	9.6
BV/Sh. (INR)	88.5	101.1	116.2
Ratios			
Net D:E	-0.8	-0.7	-0.7
RoE (%)	33.3	34.3	32.8
RoCE (%)	30.2	36.7	35.3
Payout (%)	122.7	69.4	63.3
Valuations			
P/E (x)	54.1	45.9	41.8
EV/EBITDA (x)	37.1	32.1	30.3
Div. Yield (%)	1.9	1.3	1.3
FCF Yield (%)	3.3	1.3	2.7
EV/Sales (x)	8.1	7.3	6.6

Shareholding pattern (%)

As On	Jun-21	Mar-21	Jun-20
Promoter	75.0	75.0	75.0
DII	10.9	10.9	12.1
FII	1.6	1.6	0.2
Others	12.5	12.6	12.7

FII Includes depository receipts

CMP: INR 1,596 **TP: INR1,550 (-3%)** **Neutral**

Step change in growth and business mix

- We attended the analyst meet of GSK Pharma to gain an insight on the growth outlook over the next 2–3 years.
- GSK Pharma has prioritized its efforts towards specialty and vaccines, while it continues to gain market share in general medicine.
- Accordingly, it expects 130–330bp margin expansion to 23–25% over FY21–26.
- We reduce our EPS estimate by 5% for FY23, factoring in the sale of the Iodex and Ostocalcium brands. We value GLXO at 38x 12M forward earnings to arrive at TP of INR1,550. We maintain Neutral as current valuations adequately factor in the earnings potential from renewed strategy.

Differentiated products from parent to be launched in next 2–3 years

GLXO expects a double-digit CAGR in specialty drugs over FY21–26, supported by the parent's pipeline. Growth would be driven by new launches, such as Nucala (already launched) and Benlysta (under registration). GLXO will target new launches over the next 3–4 years, especially in Onco therapy, such as Zejula from the parent portfolio. It is also looking at a ramp-up in Nucala with state and central agency registrations. It is considering Sotrovimab (a COVID drug) for India, subject to approval / supply surety.

New launches / Better penetration to drive Vaccine business

- GLXO expects a high-single-digit CAGR in vaccines over FY21–26, with new product introductions such as Shingrix. The parent would help GLXO introduce new vaccines in India. The Vaccine business was heavily impacted in FY21 due to COVID, but GLXO expects ~10% growth in FY22 as COVID cases decline. Being largely a Distribution business, Vaccine operating margins are in the high single digits. Adult vaccinations are another interesting large opportunity for GLXO.
- GLXO's parent is developing two COVID vaccines, one with Sanofi and another with Curevac. These are currently undergoing global trials and would be considered for India when appropriate, depending on the trial outcome.

Efforts underway to sustain market share gains in general medicine

- GLXO expects key promoted brands to grow 14–15% YoY over the near term. Currently, ~10 key brands account for 70% of general medicine. It expects the remaining brand sales to remain largely flat going forward. GLXO has decided against re-entering the Ranitidine market. Margins have taken a hit recently due to price increases in the Paracetamol API.
- 35% of its products are manufactured in-house, and it has enough capacity to cater to an increase in demand.
- It would receive INR16.5b in pre-tax from the sale of the Iodex and Ostocalcium brands to GSK Asia. The sale would have tax implications.

Valuation and view

- We cut our EPS estimate by 5% for FY23, factoring in the sale of two key brands Iodex and Ostocalcium to GSK Asia. We expect a 10%/14% sales/earnings CAGR for GLXO over FY21–23E. We value GLXO at 38x 12M forward P/E to arrive at our TP of INR1,550. We maintain our Neutral rating as valuations adequately factor in an upside on renewed strategy.

Tushar Manudhane - Research Analyst (Tushar.Manudhane@MotilalOswal.com)

Bharat Hegde, CFA (Bharat.Hegde@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.

Derma is GLXO's biggest therapy, contributing 28% to domestic sales

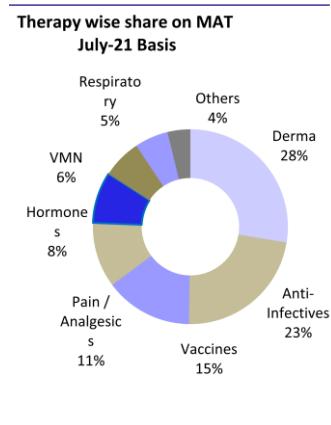


Exhibit 1: 3 of the top 6 AI brands outperformed Therapy and Molecule over the last 4 years

Brand	Therapy	MAT Jul'21 (INR m)	4-Yr CAGR (%)	4-Yr Therapy CAGR (%)	4-yr Molecule CAGR (%)
Augmentin	Anti-Infective (AI)	4,750	12.1	8.6	3.6
Ceftum	Anti-Infective(AI)	2,153	13.2	8.6	7.5
Phexin	Anti-Infective(AI)	810	2.2	8.6	3.1
Supacef	Anti-Infective(AI)	348	18.5	8.6	7.5
Zentel	Anti-Infective(AI)	341	4.0	8.6	2.1
Banocide	Anti-Infective(AI)	256	-0.2	8.6	1.8

*4 year: MAT Jul'17-21

Source: MOFSL, AIOCD

Exhibit 2: 5 of the top 6 Derma brands outperformed Therapy over the last 4 years

Brand	Therapy	MAT Jul'21 (INR m)	4-Yr CAGR (%)	4-Yr Therapy CAGR (%)	4-yr Molecule CAGR (%)
Betnovate N	Derma	2,543	13.1	8.4	13.3
Betnovate C	Derma	2,479	11.0	8.4	11.0
T Bact	Derma	2,422	39.2	8.4	21.8
Neosporin	Derma	1,017	45.2	8.4	47.2
Betnovate Gm	Derma	496	-2.0	8.4	-2.4
Tenovate	Derma	468	9.5	8.4	7.9

*4 year: MAT Jul'17-21

Source: MOFSL, AIOCD

Exhibit 3: Iodex outperformed Therapy as well as Molecule growth over the last 4 years

Brand	Therapy	MAT Jul'21 (INR m)	4-Yr CAGR (%)	4-Yr Therapy CAGR (%)	4-yr Molecule CAGR (%)
Calpol	Pain / Analgesics	3,117	12.8	7.0	13.3
Iodex	Pain / Analgesics	367	21.1	7.0	7.1
Zyloric	Pain / Analgesics	348	4.9	7.0	2.3
Crocin	Pain / Analgesics	342	5.1	7.0	13.3

*4 year: MAT Jul'17-21

Source: MOFSL, AIOCD

Exhibit 4: 3 of the top 5 vaccines outperformed Therapy over the last 4 years

Brand	Therapy	MAT Jul'21 (INR m)	4-Yr CAGR (%)	4-Yr Therapy CAGR (%)	4-yr Molecule CAGR (%)
Synflorix	Vaccines	2,218	-3.8	1.8	-5.6
Infanrix Hexa	Vaccines	1,333	0.0	1.8	74.7
Varilrix	Vaccines	785	16.5	1.8	-8.5
Boostrix	Vaccines	525	9.2	1.8	-0.1
Havrix (Pead.)	Vaccines	457	-16.2	1.8	-13.5

*4 year: MAT Jul'17-21

Source: MOFSL, AIOCD

Exhibit 5: Becadexamin outperformed Therapy and Molecule over the last 4 years

Brand	Therapy	MAT Jul'21 (INR m)	4-Yr CAGR (%)	4-Yr Therapy CAGR (%)	4-yr Molecule CAGR (%)
Ccm	VMN	920	8.5	10.0	7.2
Cobadex Czs	VMN	771	9.2	10.0	17.0
Becadexamin	VMN	383	19.7	10.0	17.0

*4 year: MAT Jul'17-21

Source: MOFSL, AIOCD

Exhibit 6: P/E chart

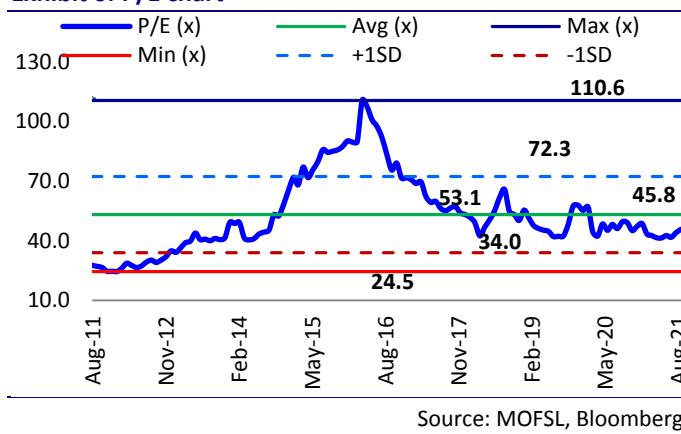
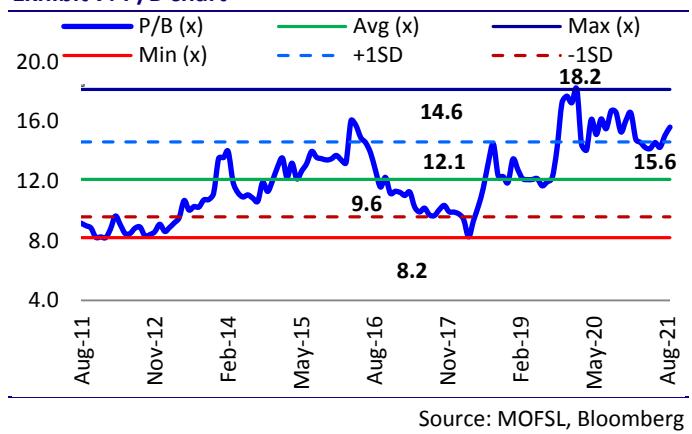


Exhibit 7: P/B chart



Story in charts

Exhibit 8: Expect revenue CAGR of ~10% over FY21–23

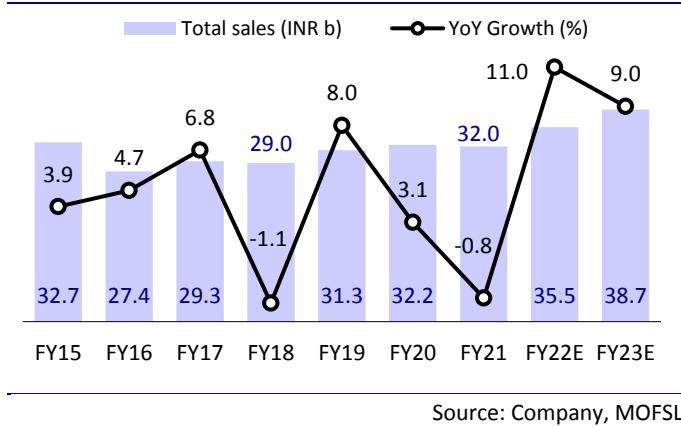


Exhibit 9: Margins to remain flat over FY21–23E

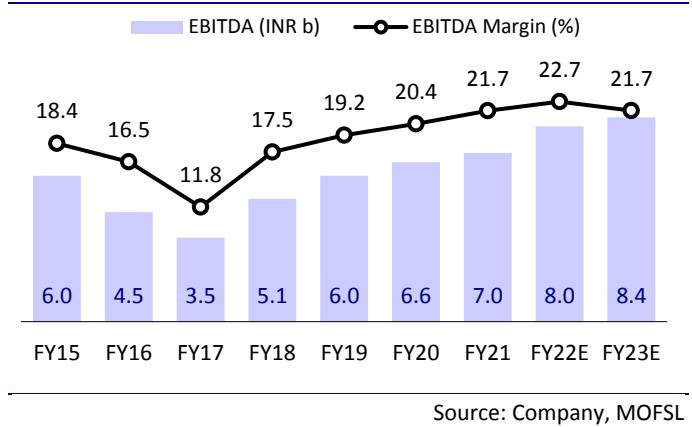


Exhibit 10: Expect ~14% earnings CAGR over FY21–23

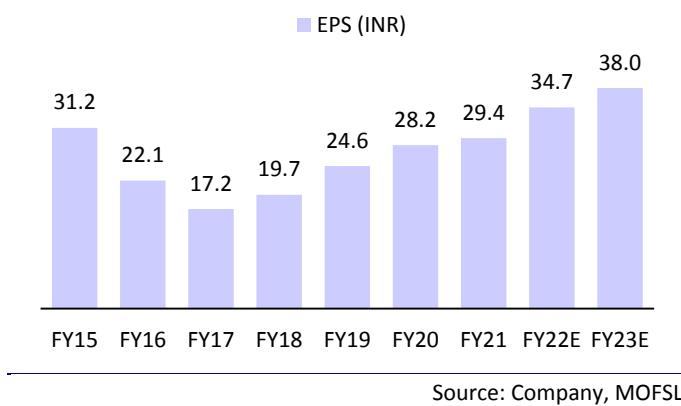
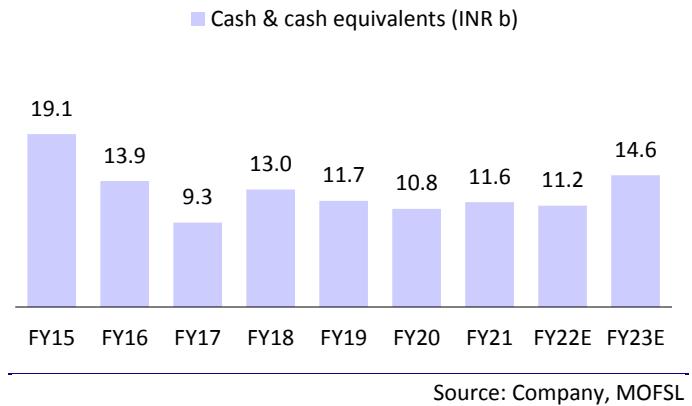


Exhibit 11: Expect cash to be distributed to stakeholders



Financials and valuations

Income Statement									(INR m)
Y/E December	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E
Net Sales	32,725	27,411	29,265	28,957	31,281	32,244	31,989	35,508	38,703
Change (%)	3.9	4.7	6.8	-1.1	8.0	3.1	-0.8	11.0	9.0
EBITDA	6,009	4,516	3,455	5,058	6,008	6,573	6,953	8,050	8,417
Change (%)	-3.1	-6.1	-23.5	46.4	18.8	9.4	5.8	15.8	4.6
Margin (%)	18.4	16.5	11.8	17.5	19.2	20.4	21.7	22.7	21.7
Depreciation	254	248	264	380	486	827	793	724	494
EBIT	5,756	4,269	3,192	4,678	5,522	5,746	6,161	7,326	7,923
Int. and Fin. Charges	0	0	0	2	6	63	35	30	65
Other Income - Rec.	2,320	1,500	1,463	545	1,023	790	680	650	690
PBT	8,076	5,769	4,655	5,222	6,540	6,472	6,805	7,946	8,548
Tax	2,793	2,026	1,744	1,893	2,373	1,698	1,818	2,066	2,103
Tax Rate (%)	34.6	35.1	37.5	36.2	36.3	26.2	26.7	26.0	24.6
Adj PAT	5,283	3,742	2,911	3,329	4,167	4,775	4,985	5,880	6,445
Change (%)	11.1	-29.2	-22.2	14.4	25.2	14.6	4.4	18.0	9.6
One-off income (net of tax)	519	-135	457	178	-21	-3,843	-1,406	156	0
Reported PAT	5,802	3,607	3,368	3,507	4,454	932	3,582	6,036	6,445
Change (%)	-7.5	-22.3	-22.2	14.4	25.2	-79.1	284.3	68.5	6.8
Margin (%)	17.7	13.2	11.5	12.1	14.2	2.9	11.2	17.0	16.7

Balance Sheet									(INR m)
Y/E December	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E
Equity Share Capital	847	847	847	847	1,694	1,694	1,694	1,694	1,694
Reserves	17,426	20,969	19,204	19,709	19,687	16,495	13,280	15,419	17,968
Capital Reserve	17	17	17	17	17	17	17	17	17
Net Worth	18,290	21,832	20,069	20,573	21,398	18,206	14,991	17,130	19,679
Loans	26	16	10	6	2	0	0	0	0
Capital Employed	18,316	21,848	20,078	20,579	21,400	18,206	14,991	17,130	19,679
Gross Block	3,212	2,284	3,313	4,020	5,590	10,190	6,740	7,740	8,740
Less: Accum. Deprn.	1,981	243	464	792	1,278	2,105	2,897	3,621	4,116
Net Fixed Assets	1,231	2,040	2,850	3,228	4,300	7,566	3,843	4,119	4,624
Capital WIP	1,152	2,677	5,732	9,229	10,026	1,201	132	-618	-1,368
Investments	1	1	1	18	17	15	14	14	14
Curr. Assets	28,942	24,820	20,540	25,962	24,148	21,469	26,114	26,098	29,721
Inventory	3,756	5,259	4,258	5,002	4,865	4,830	5,467	5,681	5,689
Account Receivables	1,003	1,266	1,708	1,470	1,205	998	2,156	2,486	2,129
Cash & Bank Balance	19,106	13,919	9,321	12,964	11,714	10,832	11,580	11,185	14,549
Others	5,077	4,376	5,253	6,527	6,364	4,808	6,911	6,746	7,354
Curr. Liability & Prov.	13,841	8,700	9,960	18,896	17,713	13,149	16,143	13,514	14,343
Account Payables	4,434	5,393	6,750	15,046	13,642	7,763	11,006	7,812	8,128
Provisions	9,406	3,307	3,210	3,850	4,071	5,386	5,137	5,702	6,215
Net Current Assets	15,101	16,119	10,580	7,066	6,435	8,319	9,971	12,585	15,378
Deferred Tax Assets	831	1011	916	1037	622	1105	1031	1031	1031
Appl. of Funds	18,316	21,848	20,078	20,579	21,400	18,206	14,991	17,130	19,679

Financials and valuations

Ratios

Y/E December	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E
EPS	31.2	22.1	17.2	19.7	24.6	28.2	29.4	34.7	38.0
Cash EPS	32.7	23.6	18.7	21.9	27.5	33.1	34.1	39.0	41.0
BV/Share	108.0	128.9	118.5	121.4	126.3	107.5	88.5	101.1	116.2
DPS	62.5	50.0	30.0	35.0	20.0	20.0	30.0	20.0	20.0
Payout (%)	120.6	136.2	175.1	91.9	97.9	85.4	122.7	69.4	63.3
Valuation									
P/E	63.8	72.1	92.6	81.0	64.7	56.5	54.1	45.9	41.8
Cash P/E	60.9	67.6	85.0	72.7	58.0	48.1	46.7	40.8	38.9
P/BV	14.7	12.4	13.4	13.1	12.6	14.8	18.0	15.7	13.7
EV/Sales	9.6	9.3	8.9	8.9	8.2	8.0	8.1	7.3	6.6
EV/EBITDA	52.1	56.6	75.4	50.8	42.9	39.4	37.1	32.1	30.3
Dividend Yield (%)	3.9	3.1	1.9	2.2	1.3	1.3	1.9	1.3	1.3
Return Ratios (%)									
RoE	23.1	17.1	14.5	16.2	19.5	26.2	33.3	34.3	32.8
RoCE	21.9	18.6	13.9	16.4	19.9	24.3	30.2	36.7	35.3
Working Capital Ratios									
Fixed Asset Turnover (x)	23.5	16.8	12.0	9.5	8.3	5.4	5.6	8.9	8.9
Debtor (Days)	14	17	21	19	14	11	25	26	20
Inventory (Days)	52	70	53	63	57	55	62	58	54
Creditor days	49	72	84	190	159	88	126	80	77
Leverage Ratio									
Debt/Equity	-1.0	-0.6	-0.5	-0.6	-0.5	-0.6	-0.8	-0.7	-0.7

Cash Flow Statement

(INR m)

Y/E December	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22E	FY23E
Oper. Profit/(Loss) bef. Tax	6,528	4,381	3,912	5,236	5,987	2,730	5,547	8,050	8,417
Interest/Div. Recd.	2,320	1,500	1,463	545	1,023	790	680	650	690
Direct Taxes Paid	-2,703	-2,207	-1,649	-2,013	-1,958	-2,180	-1,744	-2,066	-2,103
(Inc)/Dec in WC	410	-6,205	942	7,156	-619	-2,766	-904	-3,008	571
CF from Operations	6,555	-2,531	4,669	10,925	4,434	-1,427	3,579	3,626	7,575
EO expense	519	-135	457	178	-21	-3,843	-1,406	0	0
CF frm Op. incl EO exp.	3,376	1,389	2,344	4,728	4,095	4,905	5,779	3,626	7,575
(inc)/dec in FA	-603	-596	-4,085	-4,255	-2,367	4,225	4,519	-250	-250
Free Cash Flow	3,292	657	-1,284	651	1,707	5,287	8,892	3,376	7,325
(Pur)/Sale of Investments	576	-0	0	-18	1	2	1	0	0
Others	1,828	5,586	7,091	3,231	831	-4,796	4,115		
CF from investments	1,800	4,990	3,006	-1,042	-1,535	-568	8,636	-250	-250
Change in Equity capital	0	-	0	0	847	-	0	0	0
Inc/(Dec) in Debt	-10	-10	-6	-4	-4	-2	0	0	0
Interest Paid	0	-	0	-2	-6	-63	-35	-30	-65
Dividend Paid	-6,374	-5,097	-5,097	-3,058	-4,080	-4,078	-6,117	-4,078	-4,078
Others	-791	4,898	422	234	-109	-46	-680	338	181
Others	2,205	-6,173	-427	-235	-232	-87	-129		
CF from Fin. Activity	-4,970	-6,383	-5,108	-3,066	-3,583	-4,276	-6,961	-3,770	-3,962
Inc/Dec of Cash	207	-4	243	620	-1,023	60	7,454	-394	3,363
Add: Beginning Balance	946	1,153	1,149	1,391	2,011	988	1,048	8,502	8,107
Closing Balance	1,153	1,149	1,391	2,011	988	1,048	8,502	8,107	11,470
Bank balances other than cash	17,953	12,770	7,930	10,953	10,725	9,784	3,078	3,078	3,078
Closing Balance	19,106	13,919	9,321	12,964	11,714	10,832	11,580	11,185	14,549

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

Regional Disclosures (outside India)

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

For Hong Kong:

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

For U.S.

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

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

For Singapore

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

Specific Disclosures

- 1 MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 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
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

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 alterations 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, nor 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 Wealth Management Ltd. (MOWML): 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. 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.