Motilal Oswal

Aurobindo Pharma

BSE SENSEX 37,389

S&P CNX 11,050

BUY

AUROBINDO

Stock Info

Bloomberg	ARBP IN
Equity Shares (m)	586
M.Cap.(INRb)/(USDb)	452.3 / 5.9
52-Week Range (INR)	968 / 281
1, 6, 12 Rel. Per (%)	-8/100/31
12M Avg Val (INR M)	3341
Free float (%)	48.0

Financials Snapshot (INR b)

2020	2021E	2022E
231.0	255.3	275.1
48.6	56.7	61.9
28.8	34.7	37.9
16.9	18.1	18.4
49.2	59.3	64.7
13.9	20.6	9.1
286.9	343.2	404.4
0.2	0.0	0.0
18.8	18.8	17.3
14.1	14.7	14.1
5.2	4.3	5.4
15.7	13.0	11.9
9.8	8.1	7.5
0.3	0.3	0.5
6.5	3.2	1.9
2.1	1.8	1.7
	231.0 48.6 28.8 16.9 49.2 13.9 286.9 0.2 18.8 14.1 5.2 15.7 9.8 0.3 6.5	28.8 34.7 16.9 18.1 49.2 59.3 13.9 20.6 286.9 343.2 0.2 0.0 18.8 18.8 14.1 14.7 5.2 4.3 15.7 13.0 9.8 8.1 0.3 0.3 6.5 3.2

Shareholding pattern (%)

As On	Jun-20	Mar-20	Jun-19
Promoter	52.0	52.0	51.9
DII	12.6	12.6	13.3
FII	22.6	22.3	22.0
Others	12.8	13.2	12.9

FII Includes depository receipts

Stock Performance (1-year)



TP: INR1030(+33%) CMP: INR772

Development of complex pipeline on track

Steady US base business; EU outlook gradually improving

The Aurobindo Pharma (ARBP) stock has corrected ~20% over the past two months. This, we believe, provides a good entry opportunity in the stock. Multiple factors strengthen our positive stance on the stock, such as: (a) the gradual improvement in outlook for the Injectable business, (b) ongoing efforts to build a complex product pipeline, (c) significantly reduced financial leverage, (d) completion of remediation measures at sites under regulatory issues, and (e) comfortable valuation (at 11.9x FY22E EPS of INR65 compared to 5-year average of 16x).

We expect ARBP to deliver 15% earnings CAGR over FY20-22E, led by new launches/increased market share in its key markets of the US/EU and lower financial leverage. We value ARBP at 16x 12M forward earnings to arrive at a target price of INR1,030. Re-iterate Buy.

Differentiated complex/specialty products – Future growth opportunities

ARBP's future pipeline comprises differentiated and margin-accretive products in Oncology, Depot Injections, Inhalers, Biosimilars, Vaccines, Topicals, and Patches. While it has already filed for one Metered Dose Inhaler (MDI) and one nasal spray, it is expected to file its first Transdermal with the USFDA in FY21. Overall it has 6MDIs, 2 Dry Powder Inhalers (DPIs), 14 Biosimilars, 26 Topicals, 8 Transdermals, 3 Depot Injections and 2 Vaccines under development.

Minimal price erosion in US base biz; ANDA pipeline robust

ARBP has robust base business in the US market with diversified dosage mix (Oral Solids/Injectable/Dietary Supplements/OTCs). It has the largest pipeline of 166 ANDAs awaiting approval (including 50 Injectable ANDAs). The company has guided for 50 launches (6 launched in 1QFY21) in FY21, providing healthy visibility of growth in the US market. We expect ARBP to deliver 10% sales CAGR in the US over FY20-22E.

EU – Near-term impact on growth due to COVID-19

While there has been COVID-led slowdown in the EU business, ARBP remains on track to expand its product offerings, adding newer markets and increasing its penetration in existing markets. We expect ARBP to deliver 6% sales CAGR in the EU business over FY20-22E.

Regulatory inspection update

ARBP has completed the corrective and preventive action (CAPA) at Units 1, 9, and 11/Aurolife and is awaiting feedback from the USFDA on desktop reviews. ARBP should complete the CAPA at Unit 7 soon.

Sharp reduction in financial leverage

ARBP has drastically reduced its net debt to USD191m at end-1QFY21 from USD724m at end-FY19. It has guided to be debt free by FY22E. This provides comfort on the financial leverage front.

Tushar Manudhane (Tushar.Manudhane@MotilalOswal.com)

Hitakshi Chandrani (Hitakshi.Chandrani@motilaloswal.com); Bharat Hegde (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.

Valuation and view:

We expect ARBP to deliver 15% earnings CAGR over FY20-22E, led by new launches /increased market share in key markets of the US/EU and lower financial leverage. We value ARBP at 16x 12M forward earnings to arrive at a target price of INR1,030. We remain positive on ARBP's (a) capability to build a niche portfolio in the Injectables/Biosimilars/Inhaler space, (b) established presence across the manufacturing value chain in the US market, and (c) improving trajectory of profitability in the EU market. Maintain **Buy**.

C	Deve	СМР	E	PS (INR)	EPS G	rowth Yo	oY (%)		P/E (x)		EV/	EBITD/	(x)		ROE (%)
Company	Reco	(INR)	FY20	FY21E	FY22E	FY20	FY21E	FY22E	FY20	FY21E	FY22E	FY20	FY21E	FY22E	FY20	FY21E	FY22E
Alembic Pharma	Neutral	955	45.9	51.7	53.1	47.7	12.8	2.7	20.8	18.5	18.0	15.8	13.6	12.7	30.1	27.8	23.8
Alkem Lab	Buy	2,800	95.4	131.5	146.1	49.5	37.8	11.1	29.3	21.3	19.2	22.8	15.7	13.9	19.7	23.2	21.6
Ajanta Pharma	Buy	1,551	51.1	64.0	71.7	15.1	25.2	12.0	30.3	24.2	21.6	19.3	15.6	14.2	18.7	20.0	19.3
Aurobindo Pharma	Buy	772	49.2	59.3	64.7	13.9	20.6	9.1	15.7	13.0	11.9	9.4	7.7	7.1	18.8	18.8	17.3
Biocon	Neutral	428	6.2	8.6	12.0	-0.4	39.2	39.6	69.3	49.8	35.7	30.6	22.4	17.6	12.1	14.6	18.1
Cadila Health.	Buy	386	14.7	19.0	21.4	-20.0	29.4	12.5	26.2	20.3	18.0	15.7	12.6	11.1	11.3	16.9	16.2
Cipla	Neutral	770	19.6	28.6	32.6	4.8	45.7	13.9	39.3	26.9	23.6	18.8	13.6	12.1	9.9	12.8	12.9
Divi's Lab.	Buy	3,061	48.9	69.7	86.3	-2.3	42.4	23.8	62.6	43.9	35.5	43.0	29.3	23.9	18.2	22.2	22.4
Dr Reddy's Labs	Neutral	5,114	121.3	165.0	178.2	15.4	35.9	8.0	42.1	31.0	28.7	23.1	16.6	14.8	13.6	16.3	15.3
Glenmark Pharma.	Neutral	483	24.6	31.0	33.6	-5.1	26.0	8.4	19.6	15.6	14.4	10.9	8.4	7.8	11.9	13.5	13.0
Glaxo	Neutral	1,544	28.2	26.9	33.9	14.6	-4.5	26.0	54.8	57.4	45.5	38.2	39.0	34.2	26.2	23.8	27.3
Granules India	Buy	376	13.0	19.5	22.5	41.3	50.0	14.9	28.8	19.2	16.7	16.0	10.6	9.1	19.7	24.5	23.4
Ipca Labs.	Buy	2,069	51.4	89.0	88.7	41.6	73.2	-0.3	40.3	23.3	23.3	27.0	16.3	15.9	19.2	27.3	22.1
Jubilant Life	Buy	719	59.8	48.7	64.8	5.0	-18.6	33.1	12.0	14.8	11.1	7.2	7.7	6.1	17.9	12.8	15.0
Laurus Labs	Buy	1,327	37.8	65.4	70.9	20.6	73.2	8.5	35.1	20.3	18.7	26.1	12.7	11.1	19.3	32.4	27.0
Lupin	Buy	998	19.8	26.6	39.4	47.7	34.4	48.2	50.4	37.5	25.3	18.9	16.9	13.0	6.8	9.3	12.7
Strides Pharma	Buy	660	15.2	34.2	45.0	72.1	124.9	31.8	43.5	19.3	14.7	12.2	9.3	7.8	5.2	11.5	13.7
Sun Pharma.	Buy	489	16.4	19.0	23.3	8.7	15.7	23.0	29.8	25.8	21.0	17.4	16.1	13.4	9.1	10.1	11.8
Torrent Pharma.	Neutral	2,719	55.9	73.8	95.6	30.8	32.0	29.6	48.7	36.9	28.5	22.4	18.5	15.8	21.5	23.3	25.2

Exhibit 1: Valuation Matrix

Source: MOFSL, Company

Complex generics: The next phase of growth

- Development of complex generics portfolio and specialty products on in full swing.
- Complex and specialty products span different dosage forms like Inhalers, Nasal Sprays, Depot Injections, Transdermal patches and Topicals. Biosimilars and Vaccines round up the complex/specialty portfolio under development.

Differentiated complex and specialty products – Future growth opportunity

ARBP's future pipeline comprises differentiated and margin-accretive products in Oncology, Depot Injections, Inhalers, Biosimilars, Vaccines, Topicals, and Patches.

Biosimilars Inhalers Nasal Sprays Depot Injections Transdermal patches Vaccines										
nhalers	Nasal Sprays	Depot Injections	Transdermal patches	Vaccines						
products	6 products	3 products	8 Products	2 Products						
Vorking on 6 MDI		Filing for first	Developing 8	Phase III trials for						
nd 2 DPI inhalers.		· ·	•	Pneumococcal						
	,	•••		vaccine to begin in						
	already been filed.	<i>,</i> ,		FY21 and is expected						
		filing.	USD3b.	to be filed next year.						
iled 1 MDI already	1 nasal spray product	Intends to launch at	Expected to file first	Also working on a						
nd expects to file	already filed.	least 1 product per	ANDA in FY21.	Vesicular Stomatitis						
		year post that.		Virus (VSV) based						
Y21.				COVID vaccine.						
	01		U							
	3 years.									
			US plant.							
	roducts forking on 6 MDI ad 2 DPI inhalers. led 1 MDI already ad expects to file nother before end-	products6 productsforking on 6 MDI nd 2 DPI inhalers.Developing a basket of 6 nasal sprays, of which, 2 have already been filed.led 1 MDI already nd expects to file nother before end-1 nasal spray product already filed.	products6 products3 productsforking on 6 MDI ad 2 DPI inhalers.Developing a basket of 6 nasal sprays, of which, 2 have already been filed.Filing for first product expected in 3QFY22 and approval to take 1 year post filing.led 1 MDI already ad expects to file nother before end- (21.1 nasal spray product already filed.Intends to launch at least 1 product per year post that.Remaining products to be filed over nextRemaining products to be filed over nextIntends to launch at least 1 product per year post that.	products6 products3 products8 Productsforking on 6 MDI ad 2 DPI inhalers.Developing a basket of 6 nasal sprays, of which, 2 have already been filed.Filing for first product expected in 3QFY22 and approval to take 1 year post filing.Developing 8 products with combined innovator market share of USD3b.led 1 MDI already ad expects to file nother before end- (21.1 nasal spray product already filed.Intends to launch at least 1 product per year post that.Expected to file first ANDA in FY21.Remaining products to be filed over nextRemaining products to be filed over nextTarget to make exhibit batches for 5						

Source: MOFSL, Company

ARBP is currently working on 6 Metered-Dose Inhalers **(MDIs)** and 2 Dry Powder Inhalers **(DPIs)**. It has recently filed 1 MDI inhaler generic and is expected to file another by end-FY21. ARBP is developing 6 **nasal sprays**, of which 1 is already filed. ARBP intends to file the remaining products over the next three years.

ARBP intends to build a basket of 14 **Biosimilar** products catering to Oncology, Auto Immune, Respiratory, and Ophthalmology. Around 5 products would be launched in the first phase over the next 2-3 years. It is looking to launch the first wave of Biosimilar products in Europe first before entering the US market later. ARBP has one of the highest-yield Biologics facilities, which should lower its cost and give it an edge over others as it tries to enter the crowded Biosimilars market. Its high yield would also enable it to be competitive at lower prices.

ARBP has identified 37 products in the **Topicals** segment, of which, 26 are under development. ARBP has filed 3 ANDAs and received tentative approval for 1 ANDA.

For its **Transdermal Patches** portfolio, ARBP is developing a basket of 8 products with a total market size (innovator) of USD3b. Its 1 ANDA approval in this category is expected in FY21.

ARBP acquired Profectus Biosciences, a clinical stage viral vaccine development company. It is currently working on a Pneumococcal vaccine, which should enter phase-3 trials in the current year and is expected to be filed next year. In addition, ARBP is also working on Vesicular Stomatitis Virus (VSV) based COVID vaccine candidate.

The clinical trials for the first Depot Injections would begin in 3QFY21 and their filing is expected in 3QFY22. Overall, ARBP is working on 3 Depot Injections with an addressable market size of USD3.3b.

In addition to the aforementioned assets under development, ARBP has a portfolio of 7 Onco Injectables in its specialty business that it acquired from Spectrum Pharmaceuticals in FY19, which helped it to enter the branded Onco space in the US.

R&D product pipeline to drive R&D expense ratio higher

As ARBP moves into the next leg of growth in its specialty business, its R&D spending is expected to increase as new products enter clinical trials. We expect R&D expense ratio to cross the 5% mark in FY22.

ARBP filed 55 ANDAs in FY20 (v/s 63 in FY19). The decline in ANDAs filed also explains a slight dip in its R&D spending rate, particularly for FY20. Currently, 35% of ARBP's R&D spends is toward specialty; the remaining is on generics. We expect spending toward specialty to go as high as 65% of total R&D spending in the coming days.

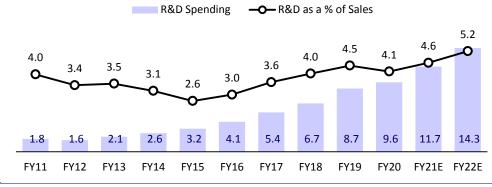


Exhibit 3: R&D spending to go up with investments in specialty product development

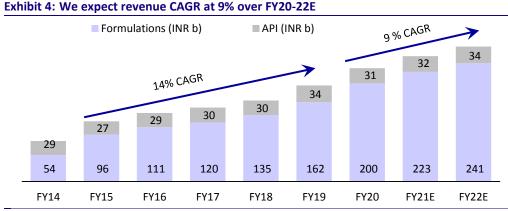
Source: MOFSL, Company

Robust base business in focus markets

- Despite buyer's consolidation and regulatory headwinds at industry level, ARBP has outperformed peers with 19% sales CAGR in the US market.
- It is well on track in the EU market with addition of products, entering newer geographies and shifting manufacturing to its India plants.
- On the back of robust pipeline in the US/EU geographies and diversified portfolios along with backward integration, we expect 9% overall revenue CAGR over FY20-22E after factoring in the impact of COVID-19 on the business.

The US/EU remain key growth drivers

ARBP delivered strong revenue CAGR of 14% over FY15-20. Formulations segment displayed 16% revenue CAGR (86% of sales). This was backed by diversified portfolio in the US, market expansion in the EU and new launches in growth markets. Particularly, ARBP achieved revenue CAGR of (a) 19% in the US (50 % of sales), (b) 13% in the EU (26 % of sales), and (c) 19% in growth markets (6% of sales). However, the API (13 % of sales) segment delivered a mere 3% CAGR over the same period due to higher captive consumption. The company's backward integration is robust with ~70% of its API requirement manufactured in-house.



Despite the pandemic headwinds, ARBP's revenue growth in FY20 was 18% YoY at INR231b, which was supported by 24% YoY growth in the formulations segment. This was offset to a certain extent by 9% YoY decline in the API segment. Over the recent past, ARBP has seen some impact of the pandemic on its overall performance. Growth in the US (+16% YoY) and ARV business (+34% YoY) for 1QFY21 were off-set by the lockdown impact in the EU and growth markets. Sales in the EU/growth markets declined 5%/8% YoY during 1QFY21.

US – Minimal price erosion despite large base

US formulations (50% of total sales) witnessed 19% CAGR over FY15-20. ARBP's growth was supported by its (a) foray into new segments like Injectables, Dietary Supplements, OTC, (b) inorganic growth through acquisitions like Spectrum Pharma in FY19, and (c) new launches in Injectables, Ophthalmic, Specialty Products, Controlled Substances. Nonetheless, regulatory constraints proved to be a headwind for this segment to some extent.

Source: MOFSL, Company

ARBP grew at a robust rate of 27% YoY to INR114b in FY20. The COVID-19 pandemic impacted the injectables business due to decline in patient footfall in hospitals. However, other business segments had better volumes, which offset the decline in injectables.

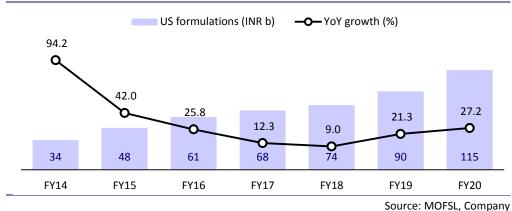


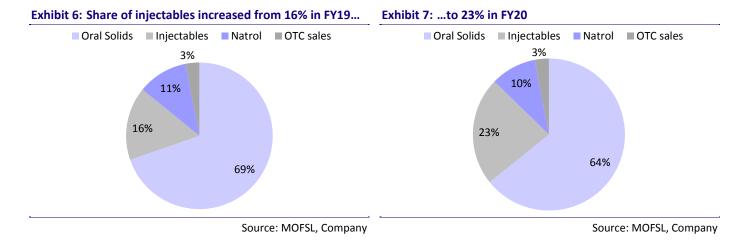
Exhibit 5: US sales in decline mode due to the pandemic impact and regulatory headwinds

US portfolio quite diversified in terms of dosage mix

US sales dependency on Oral Solids has reduced further – its share of oral solids at declined from 69.2% in FY19 to 64.1% in FY20. This segment recorded growth of 18% YoY in FY20, which was largely led by improved volumes in existing products. ARBP has 190 active products in the US market and is awaiting final approval of 120 products in the Oral Solids segment.

The share of Injectables (both branded and generic) has grown to 23.3% of US sales in FY20 (v/s 17.2% in FY19). With acquisition Spectrum Pharmaceuticals (branded Injectables), ARBP has further gained presence in the Injectables segment. At end-FY20, ARBP had 47 Injectable products in the US market and 59 ANDAs awaiting final approval.

Natrol - Dietary supplements (10% of sales) grew 22% YoY in FY20. Growth was backed by new product launches and expansion in different geographies. The OTC segment (3% of US sales) grew 15% YoY in FY20. ARBP's plan to switch over from Rx to OTC is expected to strengthen its portfolio, which would lead to better traction in sales.



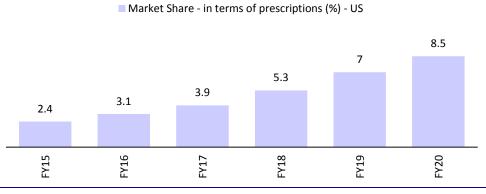
In total, ARBP has filed 604 ANDAs and received 438 final approvals. These include 28 tentative approvals, of which 9 ANDAs are tentatively approved under the US President's Emergency Plan for AIDS Relief (PEPFAR). A total of 166 ANDAs are currently under review. The company launched 34 products (incl. 7 injectables) during the year.

Exhibit 8: Filings	and approval pace				
Site	API/Formulation	FA	TA	UR	Total
Unit III	Oral Formulations	115	9	4	128
Unit I	API				
Unit IX	API				
Unit XI	Intermediate facility				
Unit IV	Injectables & Ophthalmics	68		50	118
APL Healthcare	Oral Formulations	6		10	16
Unit V	ΑΡΙ				
Aurolife &	Oral Formulations	23	1	9	33
Aurolife - I	Oral Formulations	23	T	9	33
Eugia	Oral & Injectable	10	3	22	35
Lugia	Formulations	10	5	22	
Unit VIII	API				
Unit XII	Penicillin Oral &	20			20
Onic An	Injectables	20			20
Silicon	API				
AuroNext	Penem Injectables	2			2
Unit VIB	Cephalosphorins Oral	11		1	12
Unit VII (SEZ)	Oral Formulations	136	13	20	169
Unit X	Oral Formulations	15	2	48	65
Auropeptide	API				
Total		410	28	166	604
				6 140	

Exhibit	8:	Filings	and	approva	l pace
	.			app.010	n pace

Source: MOFSL, Company

Exhibit 9: Market share gains for ARBP visible



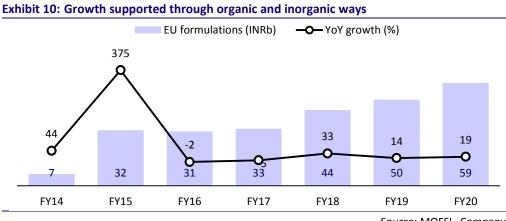
Source: MOFSL, Company

ARBP's prescription share (Rx) has reached 8.5% of market share level in the US with growth of 21% YoY due to synergies from the Spectrum Pharma acquisition and further market share gains in existing products and launch of new products. Overall, we expect 10% CAGR in US sales over FY20-22E.

EU: Expanding footprint

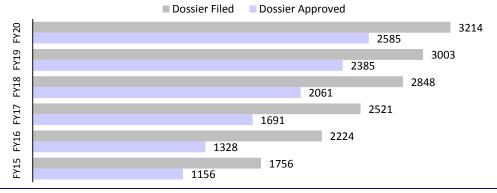
Sales in the EU came in at 13% CAGR over FY15-20. This growth was driven through organic as well as inorganic expansion. Over the years, ARBP completed acquisition of (a) Generis Farmaceutica in FY18, (b) Apotex in FY19 to increase its footprint in

the eastern European regions of Poland, the Czech Republic and strengthen its presence in Belgium, the Netherlands and Spain, and R&D assets from Advent Pharma, which would help with new products for these markets.



In FY20, the EU segment grew 19% YoY to INR59b. By end-FY20, ARBP operated in 11 countries across pharmacy (Rx), hospitals (Hx) and tender (Tx) channels. Growth in the EU was mainly supported by better traction in countries such as France, the UK, Spain, Portugal and Italy. Also, with integration of the acquired Apotex businesses in five European countries, ARBP has started leveraging synergies. ARBP has also started launching its own products in new markets like Poland and Czech Republic.





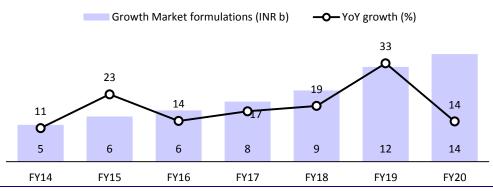
Source: MOFSL, Company

As of FY20, ARBP has commercialized 450+ INNS and has a product pipeline of 250 under development. It will continue to expand its portfolio through launches of targeted Day-1 products in Oncology, Hormones, Injectables and Oral segments. Going forward, ARBP will also start supplying Eugia Pharma's products in Europe. However, the COVID impact hit EU sales in 1QFY21. It declined 5% YoY to INR13.2b. Sales decline was due to the stocking-up of medicines in 4QFY20 for lockdown reasons. With further enhancement in the product portfolio, better traction in recently added markets and synergies in the acquired business, we expect 6% CAGR in the Europe business over FY20-22E.

Source: MOFSL, Company

Growth markets: New launches and diversified portfolio drives growth

ARBP delivered CAGR of 19% over FY15-20 in the key markets of Brazil, Canada, Columbia and South Africa. It also plans to foray into China and has already started filing for it from India.





In FY20, the company had strong 14% YoY growth in its growth markets to INR14b. This was due to the robust growth in Canada. As per IQVIA, ARBP is the eighth largest generic player in Canada in value terms.

During the fiscal, ARBP launched 13 products and submitted dossier filings for 13 products. The company intends to launch Oncology and Injectables in these key markets going forward. Accordingly, we expect 15% sales CAGR over FY20-22 in this segment.

ARV: Early mover advantage in TLD

The ARV business delivered revenue CAGR of 5% over FY15-20. The subdued performance in this segment during FY17-18 was mainly due to pricing pressure in one of its product in particular and delay in some country specific tenders. During FY18, the company received the USFDA's tentative approval for Tenofovir + Lamivudine + Dolutegravir tablet (TLD), thereafter which the growth cycle saw a major turnaround.

In FY20, this segment grew 29% YoY to INR13b. This is largely due to introduction of TLD single pill regimen and better traction in existing products.

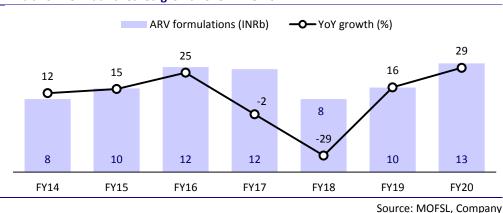


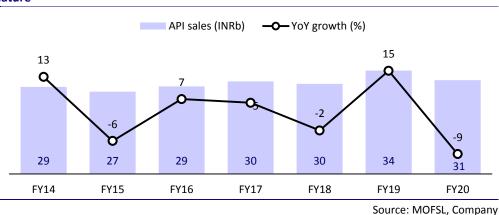
Exhibit 13: New launches led growth over FY18-20

Source: MOFSL, Company

South Africa is the largest 'People living with HIV' (PLHIV) market. It has adopted the new TLD combination in its national guidelines for this year. ARBP has gained market share in national ARV tender for both TLD as well as for Dolutegravir single dose. It is expected to generate more sales in the coming two years. The number of patients on TLD is expected to move above 4m, since the time national procurement for the Dolutegravir regimen began in 4QFY20.

API: Well-placed to benefit from API industry's favorable prospects

ARBP's API segment delivered 3% of CAGR over FY15-20. This in general is a lumpy business segment. In FY20, the API segment declined 9% YoY to INR31b.





Considering inclination toward Indian companies and ARBP having capability as well as capacity, we expect ARBP to garner 5% sales CAGR in this segment.

Manufacturing sites and regulatory update

ARPB has 29 manufacturing and packaging sites. Of the 29 sites, 22 are in India, 4 are in the US, 1 in Portugal, 1 in the Netherlands and 1 in Brazil.

The USFDA had recently cleared the OAI status of its unit IV injectables site, while Unit I, VII, IX, XI continue to be under OAI status. Unit IX has been further escalated and has been issued a Warning Letter.

ARBP has already completed remedial measures with 90% CAPAs for unit VII already completed. The company awaits re-inspection from the USFDA for the above sites once the pandemic situation is under control. Meanwhile, it continues to approach the USFDA and have requested for a desktop audit as well.

During the year, ARBP added capacity at Unit VII and Unit X and has expanded its API capacity in Unit XI and Unit XIV.

Exhibit 15: Manufacturing sites and their recent status

Site	API/Formulation	Remarks
Unit III	Oral Formulations	The company has received a 'Form 483' with 10 observations in Jun-19
Unit I	API	Inspected in Feb-19. Inspection classified as OAI
Unit IX	API	Inspected in Feb-19. Issued warning letter
Unit XI	Intermediate facility	Inspected in Feb-19. Inspection classified as OAI
Unit IV	Injectables & Ophthalmics	Inspected in Nov-19, EIR in place
APL Healthcare	Oral Formulations	Inspected in Dec-18. EIR in place
Unit V	API	The company has received a 'Form 483' with 4 observations in Oct-19
Aurolife & Aurolife - I	Oral Formulations	Inspection closed with VAI classification in Jun-18
Eugia	Oral & Injectable Formulations	Inspected in Jun-18. EIR in place
Unit VIII	API	Inspected in Oct-19, EIR in place.
Unit XII	Penicillin Oral & Injectables	Inspected in Mar-18. EIR in place
Silicon	API	Inspected in Mar-18. EIR in place
AuroNext	Penem Injectables	Inspected in Feb-18. EIR in place
Unit VIB	Cephalosphorins Oral	Inspected in Sep-17. EIR in place
Unit VII (SEZ)	Oral Formulations	Received a 'Form 483' with 7 observations in Sep-19, classified as OAI in Jan-20
Unit X	Oral Formulations	Inspected in Apr-17. Zero 483.
Auropeptide	API	Inspected in Aug-16. EIR in place

Source: MOFSL, Company

Balance sheet position improving consistently

- ARBP has reduced its net debt over the past 5 quarters, which stood at USD191m at end-1QFY21.
- Consistent delivery on profitability and cash flow generation led to ARBP turning netdebt free by end-FY22.
- Strong balance sheet position puts ARBP in a good position to further explore inorganic opportunities, particularly after the Sandoz deal fell through.

Steady FCF generation

ARBP has generated steady FCF over the last eight years. The trend in FCF has followed healthy operational cash flow, driven by higher profitability. Capex, which increased significantly in FY17, has moderated over the last 4 years. ARBP invested ~INR14b in capex in FY20.

Exhibit 16: ARBP has generated positive FCF consistently over past 8 years

INRb	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19	FY20
РВТ	8.0	1.1	3.7	15.3	19.4	21.4	30.6	32.4	30.9	37.4
Interest/Dividends Recd. (INRb)	(0.0)	(0.1)	(0.0)	(0.0)	(0.1)	(0.0)	(0.2)	(0.1)	(0.1)	(0.2)
Direct Taxes Paid (INRb)	(1.9)	(0.4)	(1.2)	(3.4)	(4.3)	(4.8)	(7.7)	(7.5)	(7.7)	(7.3)
(Inc)/Dec in core WC (INRb)	(3.9)	(1.8)	(4.5)	(11.6)	(12.0)	(0.1)	13.2	(10.8)	(14)	(9.2)
(Inc)/Dec in other WC (INRb)	(0.9)	0.6	0.3	1.0	(1.0)	(1.5)	(7.9)	0.4	(0.8)	12.0
Other adjustments (INRb)	2.1	3.8	4.5	5.2	3.9	4.3	4.7	5.1	8.3	11.1
Net Cash flow from Operations (INRb)	3.4	3.3	2.7	6.5	5.9	19.2	32.8	19.5	16.5	43.8
Net Capex (INRb)	7.2	5.7	2.7	3.7	5.4	11.7	16.8	12.4	14.1	13.6
Acquisitions of Business/Subsidiaries (INRb)	-	-	-	-	-	-	-	(6.7)	(12.1)	0.1
Change in Net debt (INRb)	(4.4)	2.5	7.2	3.7	4.0	2.5	(13.9)	6.6	15.0	(22.9)
FCFE (INRb)	(8.2)	0.1	7.2	6.5	4.5	10.0	2.1	7.0	5.3	7.4

Source: MOFSL, Company

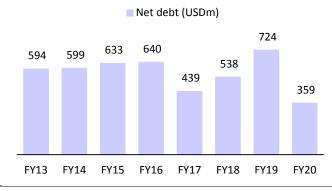
Gradual reduction in Net debt driven by strong cash generation

ARBP acquired Apotex's European business in 5 countries for EUR74m in FY19. ARBP also acquired Spectrum's 7 branded Oncology products for USD160m (USD160m upfront +USD140m milestone-based payments). Both these deals were funded through internal accruals and debt. As a result, ARBP's net debt increased in 4QFY19.

Since then, continued cash generation from its ongoing business has enabled ARBP to reduce debt consistently on a QoQ basis in FY19. ARBP repaid USD365m of debt in FY20, bringing down its net debt to USD359m. It has repaid USD168m of debt in 1QFY21. Net debt now stands at USD191m.

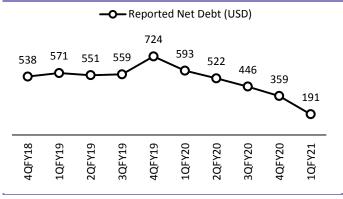
ARBP has guided to be net debt-free by FY22E, which provides further comfort from a financial leverage perspective.

Exhibit 17: Net debt declined significantly in FY20



Source: MOFSL, Company

Exhibit 18: Net debt at end-1QFY21 stood at USD191m



Source: MOFSL, Company

Valuation and view

US generics business poised for healthy growth, despite high base

The US business has shown continued strong performance, despite COVID related disruptions. Even with a high base of USD1.6b annual US sales, we believe ARBP is well placed to deliver healthy growth in the US on the back of strong product pipeline with 166 ANDAs pending approval. In addition, elective surgeries have shown some recovery, driving gradual pickup in the Injectables business.

ARBP has completed CAPAs at Units 1, 9, and 11 and awaits desktop inspections from the USFDA. Considering a 3-5% price erosion in the base business and healthy product pipeline, we expect the company to deliver 7% sales CAGR (constant-currency terms) over FY20-22E.

Europe business on gradual recovery path

The 17% CAGR over FY16-20 in the EU business was supported by increased product offerings, higher penetration, and acquisitions. European sales, however, were impacted in 1QFY21 due to the stocking up seen in 4QFY20. Business in Europe should start normalizing gradually. This is expected to be further complimented with enhancement in ARBP's product portfolio as well as better traction in recently added markets. We expect 6% CAGR in the Europe business over FY20-22E. Margins in the Apotex business have been improving consistently QoQ. We expect margin improvement in the Apotex business to drive higher profitability in Europe as well as for the company.

Complex generics portfolio shaping up nicely

ARBP has several products under development to be launched in various geographies. It is working on 14 Biosimilar products, of which, 5 will be launched in the first phase. It is developing 6 MDIs, of which, 1 has already been filed and the other are 2 DPI inhalers. Its product portfolio also includes 6 Nasal Sprays, of which 1 has been filed. Work on 3 Depot Injections and 8 Transdermal products are also progressing well. With more number of these products receiving approval FY22E onwards, complex generics and specialty portfolio should provide further upside to ARBP's revenue.

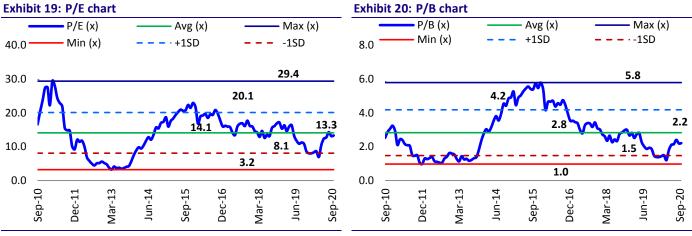
Financial leverage declines further

From Net debt of USD724m at end-FY19, ARBP has drastically reduced its net debt to USD191m at end-1QFY21. It has guided to be net-debt free by FY22E. This provides comfort from a financial leverage perspective.

Valuation and view

We expect 15% earnings CAGR over FY20-22E, led by new launches, increased market share in key markets (the US/EU) and lower financial leverage. We value ARBP at 16x 12M forward earnings to arrive at a target price of INR1,030.

We remain positive on ARBP's (a) capability to build a niche portfolio in the Injectables/Biosimilars/Inhaler space, (b) established presence across the manufacturing value chain in the US market, and (c) improving trajectory of profitability in the EU market. Maintain **Buy**.



Source: MOFSL, Company, Bloomberg

Source: MOFSL, Company, Bloomberg

Financials and Valuations

								(INR M)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20	FY21E	FY22E
Total Income from Operations	1,21,205	1,39,553	1,50,897	1,64,998	1,95,636	2,30,985	2,55,339	2,75,088
Change (%)	49.6	15.1	8.1	9.3	18.6	18.1	10.5	7.7
Total Expenditure	95,569	1,07,671	1,16,556	1,27,113	1,55,416	1,82,342	1,98,654	2,13,193
EBITDA	25,636	31,882	34,341	37,885	40,219	48,643	56,685	61,895
Margin (%)	21.2	22.8	22.8	23.0	20.6	21.1	22.2	22.5
Depreciation	3,326	3,924	4,276	5,580	6,680	9,667	10,362	11,198
EBIT	22,310	27,958	30,065	32,305	33,540	38,976	46,323	50,697
Int. and Finance Charges	843	927	667	777	1,627	1,598	1,056	1,028
Other Income	808	701	538	1,020	1,157	862	1,400	790
PBT bef. EO Exp.	22,275	27,733	29,936	32,548	33,070	38,240	46,667	50,459
EO Items	-596	-304	621	-168	-2,183	-658	-378	0
PBT after EO Exp.	21,679	27,429	30,557	32,380	30,887	37,582	46,289	50,459
Current Tax	5,966	7,207	7,596	8,183	7,269	9,135	12,035	12,615
Deferred Tax	0	0	0	0	0	0	0	1
Tax Rate (%)	27.5	26.3	24.9	25.3	23.5	24.3	26.0	25.0
Less: Mionrity Interest	-45	-30	-55	-34	-29	143	-200	-55
Reported PAT	15,758	20,252	23,015	24,231	23,647	28,304	34,454	37,899
Adjusted PAT	15,758	20,251	23,015	25,021	25,288	28,798	34,733	37,899
Change (%)	19.1	28.5	13.6	8.7	1.1	13.9	20.6	9.1
Margin (%)	13.0	14.5	15.3	15.2	12.9	12.5	13.6	13.8
Consolidated - Balance Sheet Y/E March	FY15	FY16	EV17	5)/4.0	FY19	EV20	EV24 E	(INR M)
· · · · · · ·		1110	FY17	FY18	F119	FY20	FY21E	FY22E
Equity Share Capital	584	585	586	586	586	586	586	FY22E 586
· · · · · · · · · · · · · · · · · · ·								
Equity Share Capital	584	585	586	586	586	586	586	586
Equity Share Capital Total Reserves	584 50,975	585 72,288	586 93,133	586 1,16,218	586 1,38,322	586 1,67,518	586 2,00,507	586 2,36,355 2,36,941
Equity Share Capital Total Reserves Net Worth	584 50,975 51,559	585 72,288 72,873	586 93,133 93,719	586 1,16,218 1,16,804	586 1,38,322 1,38,908	586 1,67,518 1,68,104	586 2,00,507 2,01,093	586 2,36,355
Equity Share Capital Total Reserves Net Worth Minority Interest	584 50,975 51,559 258	585 72,288 72,873 26	586 93,133 93,719 21	586 1,16,218 1,16,804 18	586 1,38,322 1,38,908 16	586 1,67,518 1,68,104 1	586 2,00,507 2,01,093 1	586 2,36,355 2,36,941 1
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities	584 50,975 51,559 258 2,058	585 72,288 72,873 26 -1,823	586 93,133 93,719 21 -1,185	586 1,16,218 1,16,804 18 765	586 1,38,322 1,38,908 16 980	586 1,67,518 1,68,104 1 1,393	586 2,00,507 2,01,093 1 1,421	586 2,36,355 2,36,941 1 1,449
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans	584 50,975 51,559 258 2,058 38,636	585 72,288 72,873 26 -1,823 44,155	586 93,133 93,719 21 -1,185 30,841	586 1,16,218 1,16,804 18 765 44,825	586 1,38,322 1,38,908 16 980 67,532	586 1,67,518 1,68,104 1,393 54,223	586 2,00,507 2,01,093 1 1,421 56,934	586 2,36,355 2,36,941 1 1,449 51,241
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed	584 50,975 51,559 258 2,058 38,636 92,511	585 72,288 72,873 26 -1,823 44,155 1,15,230	586 93,133 93,719 21 -1,185 30,841 1,23,397	586 1,16,218 1,16,804 18 765 44,825 1,62,413	586 1,38,322 1,38,908 16 980 67,532 2,07,436	586 1,67,518 1,68,104 1,393 54,223 2,23,721	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block	584 50,975 51,559 258 2,058 38,636 92,511 53,821	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987	586 1,67,518 1,68,104 1,393 54,223 2,23,721 1,16,412	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn.	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298	586 1,67,518 1,68,104 1,393 54,223 2,23,721 1,16,412 27,965	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525 92,886
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419	586 1,67,518 1,68,104 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419 3,602	586 1,67,518 1,68,104 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547	586 2,36,355 2,36,941 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital INP Total Investments Curr. Assets, Loans&Adv.	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419 3,602 1,57,675	586 1,67,518 1,68,104 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130	586 2,36,355 2,36,941 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital WIP Total Investments Curr. Assets, Loans&Adv. Inventory	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631 40,561	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439 43,305	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312 58,584	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419 3,602 1,57,675 72,456	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260 76,999	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130 83,178	586 2,36,355 2,36,941 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654 1,01,474
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital Investments Curr. Assets, Loans&Adv. Inventory Account Receivables	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631 40,561 46,067	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439 43,305 35,042	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312 58,584 38,721	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419 3,602 1,57,675 72,456 34,150	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260 76,999 43,152	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130 83,178 55,965	586 2,36,355 2,36,941 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654 1,01,474 66,323
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631 40,561 46,067 8,003	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439 43,305 35,042 5,135	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312 58,584 38,721 12,616	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419 3,602 1,57,675 72,456 34,150 19,572	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260 76,999 43,152 28,422	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130 83,178 55,965 47,787	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654 1,01,474 66,323 41,658 17,200
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631 40,561 40,561 46,067 8,003 11,001	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439 43,305 35,042 5,135 11,957	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312 58,584 38,721 12,616 15,390	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 8,325 13,419 3,602 1,57,675 72,456 34,150 19,572 31,498	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260 76,999 43,152 28,422 19,689	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130 83,178 55,965 47,787 17,200	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654 1,01,474 66,323 41,658 17,200
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov.	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451 36,587	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631 40,561 40,561 46,067 8,003 11,001 41,909	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439 43,305 35,042 5,135 11,957 37,420	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312 58,584 38,721 12,616 15,390 47,051	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419 3,602 1,57,675 72,456 34,150 19,572 31,498 55,275	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260 76,999 43,152 28,422 19,689 63,911	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130 83,178 55,965 47,787 17,200 64,689	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654 1,01,474 66,323 41,658 17,200 60,833
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital Investments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451 36,587 20,511 13,650	585 72,288 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631 40,561 40,561 46,067 8,003 11,001 41,909 24,570 15,776	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439 43,305 35,042 5,135 11,957 37,420 24,883	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312 58,584 38,721 12,616 15,390 47,051 26,274 18,209	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 8,325 13,419 3,602 1,57,675 72,456 34,150 19,572 31,498 55,275 25,522 26,104	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260 76,999 43,152 28,422 19,689 63,911 25,450 33,547	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130 83,178 55,965 47,787 17,200 64,689 34,064	586 2,36,355 2,36,941 1 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654 1,01,474 66,323 41,658 17,200 60,833 30,207
Equity Share Capital Total Reserves Net Worth Minority Interest Deferred Liabilities Total Loans Capital Employed Gross Block Less: Accum. Deprn. Net Fixed Assets Goodwill on Consolidation Capital Imvestments Curr. Assets, Loans&Adv. Inventory Account Receivables Cash and Bank Balance Loans and Advances Curr. Liability & Prov. Account Payables Other Current Liabilities	584 50,975 51,559 258 2,058 38,636 92,511 53,821 17,405 36,416 640 4,196 198 87,647 36,113 35,392 4,691 11,451 36,587 20,511	585 72,288 72,873 26 -1,823 44,155 1,15,230 41,312 3,455 37,856 4,063 8,359 1,230 1,05,631 40,561 46,067 8,003 11,001 41,909 24,570	586 93,133 93,719 21 -1,185 30,841 1,23,397 53,650 7,168 46,482 4,063 12,374 2,459 95,439 43,305 35,042 5,135 11,957 37,420 24,883 11,415	586 1,16,218 1,16,804 18 765 44,825 1,62,413 70,719 11,843 58,876 8,165 13,995 3,115 1,25,312 58,584 38,721 12,616 15,390 47,051 26,274	586 1,38,322 1,38,908 16 980 67,532 2,07,436 97,987 18,298 79,689 8,325 13,419 3,602 1,57,675 72,456 34,150 19,572 31,498 55,275 25,522	586 1,67,518 1,68,104 1 1,393 54,223 2,23,721 1,16,412 27,965 88,447 9,159 16,218 5,547 1,68,260 76,999 43,152 28,422 19,689 63,911 25,450	586 2,00,507 2,01,093 1 1,421 56,934 2,59,449 1,27,412 38,328 89,084 9,159 16,218 5,547 2,04,130 83,178 55,965 47,787 17,200 64,689 34,064 30,000	586 2,36,355 2,36,941 1,449 51,241 2,89,632 1,42,412 49,525 92,886 9,159 16,218 5,547 2,26,654 1,01,474 66,323 41,658 17,200 60,833 30,207 30,000

Financials and Valuations

Ratios								
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20	FY21E	FY22E
EPS	27.0	34.6	39.3	42.7	43.2	49.2	59.3	64.7
Cash EPS	32.7	41.3	46.6	52.2	54.6	65.7	77.0	83.8
BV/Share	88.3	124.5	160.0	199.4	237.1	286.9	343.2	404.4
DPS	2.2	2.3	1.9	3.7	2.5	2.5	2.5	3.5
Payout (%)	9.9	8.0	6.0	10.9	6.8	5.2	4.3	5.4
Valuation (x)								
P/E	28.6	22.3	19.7	18.1	17.9	15.7	13.0	11.9
Cash P/E	23.6	18.7	16.6	14.8	14.1	11.8	10.0	9.2
P/BV	8.7	6.2	4.8	3.9	3.3	2.7	2.2	1.9
EV/Sales	4.0	3.5	3.2	2.9	2.6	2.1	1.8	1.7
EV/EBITDA	19.0	15.3	13.9	12.8	12.4	9.8	8.1	7.5
Dividend Yield (%)	0.3	0.3	0.3	0.5	0.3	0.3	0.3	0.5
FCF per share	5.1	-0.5	27.0	7.3	1.6	50.4	24.9	14.8
Return Ratios (%)								
RoE	35.4	32.5	27.6	23.8	19.8	18.8	18.8	17.3
RoCE	20.4	20.4	19.0	17.4	14.4	14.1	14.7	14.1
RoIC	20.9	22.8	22.5	20.4	16.9	17.1	18.9	18.3
Working Capital Ratios								
Fixed Asset Turnover (x)	2.3	3.4	2.8	2.3	2.0	2.0	2.0	1.9
Inventory (Days)	198	227	238	275	277	280	279	300
Debtor (Days)	91	107	98	82	68	61	71	81
Creditor (Days)	113	134	140	138	109	96	104	105
Working Cap. (Days)	177	200	196	219	235	246	246	277
Leverage Ratio (x)								
Current Ratio	2.4	2.5	2.6	2.7	2.9	2.6	3.2	3.7
Interest Cover Ratio	26	30	45	42	21	24	44	49
Net Debt/Equity	0.7	0.5	0.3	0.3	0.3	0.2	0.0	0.0
i								
Consolidated - Cash Flow Statement								(INR M)
Y/E March	FY15	FY16	FY17	FY18	FY19	FY20	FY21E	FY22E
OP/(Loss) before Tax	22,310	27,443	30,608	32,412	30,914	37,430	46,323	50,697
Depreciation	3,326	3,924	4,276	5,580	6,680	9,667	10,362	11,198
Interest / Dividend recieved	808	689	384	509	1,370	1,207	1,400	790
Direct Taxes Paid	-5,966	-7,326	-7,737	-6,986	-7,698	-7,298	-12,035	-12,615
(Inc)/Dec in WC	-2,515	-10,794	5,341	-10,358	-14,845	2,769	-20,091	-26,381
CF from Operations	17,963	13,936	32,872	21,157	16,420	43,775	25,960	23,689
Others	-596	262	-86	-1,609	90	38	-378	0
CF from Operating incl EO	17,367	14,198	32,786	19,548	16,510	43,813	25,582	23,689
(inc)/dec in FA	-14,389	-14,475	-16,942	-15,299	-15,591	-14,311	-11,000	-15,000
Free Cash Flow	2,978	-277	15,844	4,249	919	29,502	14,582	8,689
(Pur)/Sale of Investments	0	23	-929	-3,967	-13,435	-1,366	0	0
CF from Investments	-14,388	-14,452	-17,870	-19,266	-29,026	-15,677	-11,000	-15,000
Change in networth								
Inc/(Dec) in Debt	2,298	6,033	-17,279	2,858	26,242	-13,130	2,711	-5,693
Interest Paid	-843	-835	-568	-742	-1,515	-1,266	-1,056	-1,028
Dividend Paid	-1,563	-1,616	-1,372	-2,641	-1,599	-1,884	-1,465	-2,051
CF from Fin. Activity	-322	3,566	-17,784	7,200	19,472	-19,287	5,083	-14,818
Inc/Dec of Cash	2,656	3,312	- 2, 868	7,482	6,955	8,850	19,665	-6,129
Opening Balance	1,786	4,691	8,003	5,135	12,616	19,572	28,422	47,787
Closing Balance	4,442	8,003	5,134	12,617	19,572	28,422	47,787	41,658

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 MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 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
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months 6
- 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/ 022-71934203; Website <u>www.motilaloswal.com</u>.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 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. 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.