

June 1, 2021

Q4FY21 Result Update

☑ Change in Estimates | ☑ Target | ■ Reco

Change in Estimates

	Cu	rrent	Pre	vious
	FY22E	FY23E	FY22E	FY23E
Rating	В	BUY	E	BUY
Target Price	1,	139	1	,023
Sales (Rs. m)	268,746	288,295	273,814	293,489
% Chng.	(1.9)	(1.8)		
EBITDA (Rs. n	n) 58,174	62,415	59,272	63,540
% Chng.	(1.9)	(1.8)		
EPS (Rs.)	60.9	66.9	62.0	68.2
% Chng.	(1.9)	(1.8)		

Key Financials - Consolidated

Y/e Mar	FY20	FY21	FY22E	FY23E
Sales (Rs. m)	227,380	245,580	268,746	288,295
EBITDA (Rs. m)	45,038	51,167	58,174	62,415
Margin (%)	19.8	20.8	21.6	21.6
PAT (Rs. m)	28,295	53,892	35,682	39,224
EPS (Rs.)	48.3	92.0	60.9	66.9
Gr. (%)	9.6	90.5	(33.8)	9.9
DPS (Rs.)	3.0	3.0	3.0	3.0
Yield (%)	0.3	0.3	0.3	0.3
RoE (%)	18.4	27.8	15.2	14.5
RoCE (%)	16.5	16.5	17.2	17.8
EV/Sales (x)	2.6	2.3	2.1	1.9
EV/EBITDA (x)	13.2	11.0	9.6	8.7
PE (x)	20.1	10.5	15.9	14.5
P/BV (x)	3.4	2.6	2.3	2.0

Key Data	ARBN.BO ARBP IN
52-W High / Low	Rs.1,064 / Rs.722
Sensex / Nifty	51,935 / 15,575
Market Cap	Rs.569bn/ \$ 7,799m
Shares Outstanding	586m
3M Avg. Daily Value	Rs.4810.01m

Shareholding Pattern (%)

Promoter's	51.94
Foreign	24.37
Domestic Institution	13.24
Public & Others	10.45
Promoter Pledge (Rs bn)	69.26

Stock Performance (%)

	1M	6M	12M
Absolute	(1.1)	8.2	33.7
Relative	(7.1)	(7.0)	(14.3)

Surajit Pal

surajitpal@plindia.com | 91-22-66322259

Aurobindo Pharma (ARBP IN)

Rating: BUY | CMP: Rs970 | TP: Rs1,139

COVID played spoilsport; Poised to become dominant player in injectable exports

Quick Pointers:

- US generic injectable sales declined 2% QoQ at US\$67mn in 4Q due to low patient visits at hospitals
- Divestment of Natrol impacted sales by US\$30-35mn in US; plans to consolidate injectable business in US and EU under one subsidiary.
- CAPA completed for Unit-I, IX, VII and XI; awaiting USFDA inspection.

We maintain Buy rating on ARBP as the core growth drivers of ARBP remains strong and stable except few COIVD related logistical issues delayed revenue realization. This has resulted in marginal decrease of 2% in earnings estimates in FY22E/23E. Given its strong focus on strengthening performance in its global injectable business, we increased assigned PE to 17x (earlier 15x) on FY23 EPS of Rs66.9 and arrive at a TP of Rs1,139 (earlier Rs1,023). We believe that valuation re-rating would be driven by 1) better product mix with higher contribution of injectable exports, as guided to be US\$650-700mn in FY23E v/s US\$269mn in FY21, 2) Eugia (Oncology) product launches in US & Europe, with currently 52 products under development stage 3) Europe EBITDAM crossed double-digit, despite incorporating lossmaking Apotes, 4) better outlook on Auromedics (Inj) and 5) divestment of Natrol.

4QFY21 Adj. earnings beat our estimates on back of higher than expected revenues from acquired operations of Apotex in EU and higher realisations in API due to global supply constraints. US revenue (comparable post sell-off Natrol) remained muted with 2% QoQ decline, while other export markets (except EU) declined 7% QoQ. ARBP changed its strategy in last few quarters and guided for no big ticket M&A and incremental CAPEX, which can lead to lower debt and better earnings growth with healthy EBITDAM.

Sequential decline for most of the regions: Revenue declined 1% YoY/6% QoQ to Rs59.9bn (PLe: Rs62.2bn) with US/Growth markets declined at 2%/23% while ARV/ API grew 11/16% QoQ. EU declined 7% QoQ. EBITDA grew 1% YoY while declined 7% QoQ to Rs12.6bn (PLe: Rs12.6bn). EDITDAM came at 21.1% (PLe: 20.3%) v/s 20.6% YoY and 21.4% QoQ. PBT declined 1% YoY and 1% QoQ to Rs10.7bn (PLe: Rs12.6bn). Adj. PAT declined 7% YoY and 73% QoQ to Rs8.1bn (PLe: Rs7.5bn). There was an exceptional gain of Rs28bn in FY21 related to Natrol divestment, revaluation of equity interest in Eugia Pharma and impairment charges related to certain products. Tax expense related to an exceptional item was Rs7bn in FY21.

June 1, 2021



Conference call and key highlights:

- US formulations: Revenue declined 2% (CC) QoQ to US\$389m with Auromedics (US Inj) contribution of US\$67m v/s US\$69m (3QFY21). In April-20, FDA classified Unit-IV (Injectable) as VAI (Voluntary Action Indicated) with EIR (Establishment Inspection Report). FDA may re-visit the facility for further investigation once travelling restrictions ease off, as few issues are related to data integrity.
- US filings: Received final approval for 9 ANDAs including 3 Inj in 4QFY21 and launched 19 products in 4Q including 10 Inj. As on 31st Dec 2020, on a cumulative basis, the company filed 639 ANDAs with USFDA and received approval for 468 ANDAs including 29 tentative approvals. ARBP has 9% Rxshare in US generics with base business price erosion in the range of 5-7%. ARBP has 80-90 products under development at various stages.
- Regulatory Status: ARBP's many plants continue to be under FDA issues with latest inclusion of oral solid mfg. facility at Dayton receiving WL for inspection conducted between Jan-Feb'20. Unit-I, VII & IX have been under OAI status, Unit- XI with warning letter and Unit- IV in VAI status without EIR. ARBP completed CAPA for Unit-I, IX and XI. Europe and Brazil regulator inspected and cleared Unit XI during the quarter. ARBP requested for a virtual CGMP audit, where CAPA is finished.
- PLI Scheme: During the quarter, ARBP received approval under the Production Linked Incentive (PLI) scheme for promotion of domestic manufacturing of Penicillin G, 7 - ACA and Erythromycin Thiocyanate (TIOC). Total investment committed under this scheme by ARBP is Rs30bn.
- Natrol divestment: Divestment was completed during the quarter for Rs30bn and this gain was recorded as an exceptional item. Natrol contributed 3.2% to overall PAT of ARBP and 10% of the US revenues with 22% growth in FY20. Aurobindo acquired Natrol in CY-14 at US\$132.5m.
- R&D: ARBP spend Rs4.5bn on R&D, 7.6% of sales in 4QFY21 with ~50% towards generic and 50% towards specialty products. Guided for 5.5-6.0% of sales towards R&D for FY22E due to initiation of trials for depot injectable and biosimilar (Bevacizumab) for US and Europe markets. Currently ARBP is working on total 5 biosimilar products with 3 for European market while 2 for US. Management expects revenue from its biosimilar portfolio to kick start from Europe in FY23E, as one biosimilar would be filed for Europe in FY22E.
- Europe: Revenue grew 6% QoQ with EBITDAM of 10-11% due to inclusion of loss making unit of Apotex from different countries. Guided for further improvement in EBITDAM in FY22-23E, as Eugia products would be launched.
- EMs, ARV and API: Emerging markets/ARV/API declined 23% while ARV/API increased 11%/ 16% QoQ. respectively. ARV segment has seen shift of preference towards TLD (Tenofovir/ Lamivudine/ Dolutegravir) from TLE (Tenofovir/ Lamivudine/ Efavirenz) and guided a strong visibility for next 18 months. API growth was led by non-beta lactams products.



Exhibit 1: 4QFY21 Result Overview (Rs m): Muted performance in pandemic affected world

Y/e March	Q4FY21	Q4FY20	YoY gr. (%)	Q3FY21	QoQ gr. (%)	FY21	FY20	YoY gr. (%)
Net Sales	59,917	60,634	(1.2)	63,531	(5.7)	2,45,580	2,27,380	8.0
Raw Material	24,071	25,034	(3.8)	25,723	(6.4)	99,025	97,352	1.7
% of Net Sales	40.2	41.3		40.5		40.3	42.8	
Personnel Cost	8,544	8,643	(1.1)	8,807	(3.0)	35,350	32,192	9.8
% of Net Sales	14.3	14.3		13.9		14.4	14.2	
Others	14,653	14,483	1.2	15,433	(5.1)	60,037	52,798	13.7
% of Net Sales	24.5	23.9		24.3		24.4	23.2	
Total Expenditure	47,268	48,160	(1.9)	49,963	(5.4)	1,94,412	1,82,342	6.6
EBITDA	12,649	12,474	1.4	13,568	(6.8)	51,167	45,038	13.6
Margin (%)	21.1	20.6		21.4		20.8	19.8	
Depreciation	2,660	2,324	14.5	2,765	(3.8)	10,554	9,667	9.2
EBIT	9,989	10,150	(1.6)	10,803	(7.5)	40,614	35,370	14.8
Other Income	879	1,276	(31.1)	846	3.9	5,975	4,468	33.7
Interest	182	580	(68.6)	(411)	(144.4)	745	1,995	(62.7)
PBT	10,686	10,846	(1.5)	12,060	(11.4)	45,844	37,843	21.1
Extra-Ord. Inc./Exps.	7	123		28,139		-	413	
Total Taxes	2,597	2,285	13.6	10,591	(75.5)	20,098	9,135	120.0
ETR (%)	24.3	21.1		87.8		43.8	24.1	
Reported PAT	8,096	8,683	(6.8)	29,608	(72.7)	25,746	28,295	(9.0)

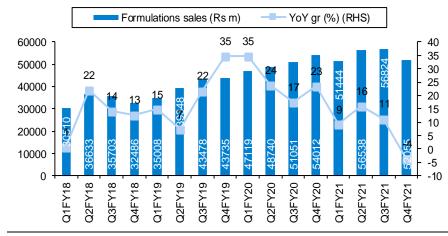
Source: Company, PL

Exhibit 2: Major Sources of Revenues

Major sources of revenues	Q4FY21	Q4FY20	YoY gr. (%)	Q3FY21	QoQ gr. (%)	FY21	FY20	YoY gr. (%)
Formulations	52,055	54,012	(3.6)	56,824	(8.4)	2,16,860	2,00,110	8.4
% of Net Sales	86.8	87.7		89.3		87.5	86.6	
USA	28,560	29,903	(4.5)	31,716	(10.0)	1,23,245	1,14,831	7.3
% of Net Sales	47.6	48.6		49.8		49.8	49.7	
Europe & Emerging Markets	18,583	20,291	(8.4)	20,674	(10.1)	74,987	72,764	3.1
% of Net Sales	31.0	33.0		32.5		30.3	31.5	
ARV	4,912	3,818	28.7	4,434	10.8	18,628	12,515	48.8
% of Net Sales	8.2	6.2		7.0		7.5	5.4	
API	7,943	7,556	5.1	6,824	16.4	30,859	30,834	0.1
% of Net Sales	13.2	12.3		10.7		12.5	13.4	
Betalactum	4,086	5,392	(24.2)	3,868	5.6	17,301	19,988	(13.4)
% of Net Sales	6.8	8.8		6.1		7.0	8.7	
Non-Betalactum	3,857	2,164	78.2	2,956	30.5	13,558	10,846	25.0
% of Net Sales	6.4	3.5		4.6		5.5	4.7	

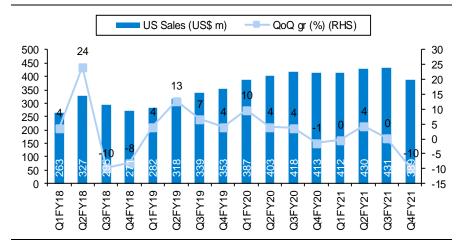
Source: Company, PL

Exhibit 3: Formulation sales & growth: Disappointed in key geographies



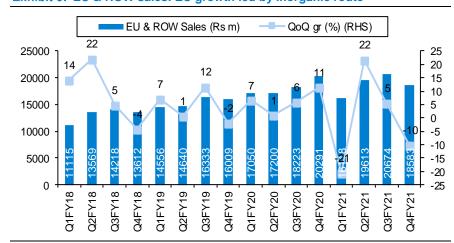
Source: Company, PL

Exhibit 4: US Gx sales (US\$ m): Limited footfalls in hospital impacts US Inj business



Source: Company, PL

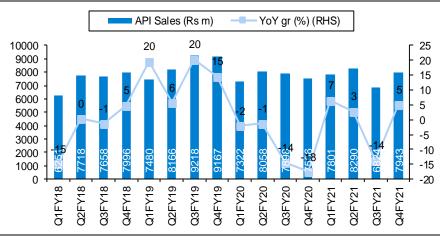
Exhibit 5: EU & ROW sales: EU growth led by inorganic route



Source: Company, PL

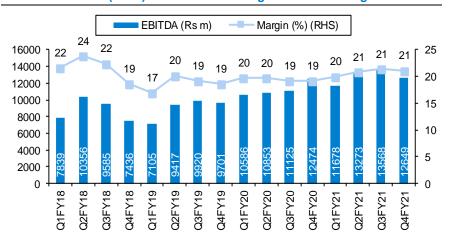


Exhibit 6: API Sales (Rs m): Global supply constraints helps in better realisation



Source: Company, PL

Exhibit 7: EBITDA (Rs m) and EBITDAM: Margin stable and range bound



Source: Company, PL



Financials

Income	Statement ((Rs m)

Y/e Mar	FY20	FY21	FY22E	FY23E
Net Revenues	227,380	245,580	268,746	288,295
YoY gr. (%)	18.3	8.0	9.4	7.3
Cost of Goods Sold	97,352	99,025	118,923	127,594
Gross Profit	130,027	146,555	149,823	160,702
Margin (%)	57.2	59.7	55.7	55.7
Employee Cost	32,192	35,350	29,832	32,010
Other Expenses	9,581	15,100	16,130	17,266
EBITDA	45,038	51,167	58,174	62,415
YoY gr. (%)	24.0	13.6	13.7	7.3
Margin (%)	19.8	20.8	21.6	21.6
Depreciation and Amortization	9,667	10,554	12,994	13,941
EBIT	35,370	40,614	45,180	48,474
Margin (%)	15.6	16.5	16.8	16.8
Net Interest	1,598	745	940	1,006
Other Income	4,468	5,975	4,836	5,176
Profit Before Tax	38,240	45,844	49,076	52,644
Margin (%)	16.8	18.7	18.3	18.3
Total Tax	9,942	20,098	13,394	13,420
Effective tax rate (%)	26.0	43.8	27.3	25.5
Profit after tax	28,298	25,746	35,682	39,224
Minority interest	3	-	-	-
Share Profit from Associate	-	-	-	-
Adjusted PAT	28,295	53,892	35,682	39,224
YoY gr. (%)	9.6	90.5	(33.8)	9.9
Margin (%)	12.4	21.9	13.3	13.6
Extra Ord. Income / (Exp)	-	-	-	-
Reported PAT	28,295	53,892	35,682	39,224
YoY gr. (%)	9.6	90.5	(33.8)	9.9
Margin (%)	12.4	21.9	13.3	13.6
Other Comprehensive Income	-	-	-	-
Total Comprehensive Income	28,295	53,892	35,682	39,224
Equity Shares O/s (m)	586	586	586	586
EPS (Rs)	48.3	92.0	60.9	66.9

Source: Company Data, PL Research

Balance Sheet Abstract (Rs m)

Balance Sheet Abstract (Rs	m)			
Y/e Mar	FY20	FY21	FY22E	FY23E
Non-Current Assets				
Gross Block	115,253	131,622	158,411	185,400
Tangibles	89,775	102,517	128,806	154,795
Intangibles	25,478	29,105	29,605	30,605
Acc: Dep / Amortization	30,448	42,175	55,154	70,025
Tangibles	24,827	33,651	43,046	54,403
Intangibles	5,621	8,524	12,108	15,622
Net fixed assets	84,805	89,447	103,257	115,375
Tangibles	64,948	68,866	85,760	100,392
Intangibles	19,857	20,581	17,497	14,982
Capital Work In Progress	19,859	30,615	32,505	34,520
Goodwill	9,159	4,289	4,289	4,289
Non-Current Investments	6,776	5,818	5,129	5,403
Net Deferred tax assets	1,632	(1,219)	4,689	6,031
Other Non-Current Assets	2,907	5,609	6,106	6,649
Current Assets				
Investments	0	1,598	1,598	1,598
Inventories	76,999	90,266	96,983	104,182
Trade receivables	43,152	35,033	38,287	41,072
Cash & Bank Balance	28,422	54,743	12,943	23,410
Other Current Assets	14,858	14,488	14,633	14,779
Total Assets	289,263	338,540	322,953	359,937
Equity				
Equity Share Capital	586	586	586	586
Other Equity	167,518	218,713	250,497	287,991
Total Networth	168,104	219,299	251,083	288,577
Non-Current Liabilities				
Long Term borrowings	-	1,684	1,600	1,520
Provisions	747	1,571	1,587	1,603
Other non current liabilities	875	395	399	403
Current Liabilities				
ST Debt / Current of LT Debt	54,223	48,027	2,401	120
Trade payables	25,450	27,947	32,397	35,543
Other current liabilities	34,195	30,678	29,111	27,792
Total Equity & Liabilities	289,263	338,540	322,953	359,937

Source: Company Data, PL Research

FY22E

FY23E

FY21



Cash Flow (Rs m)				
Y/e Mar	FY20	FY21	FY22E	FY23E
PBT	38,240	45,844	49,076	52,644
Add. Depreciation	9,667	10,554	12,994	13,941
Add. Interest	1,598	745	940	1,006
Less Financial Other Income	4,468	5,975	4,836	5,176
Add. Other	(2,802)	(13,734)	349,622	21,004
Op. profit before WC changes	46,703	43,409	412,632	88,595
Net Changes-WC	4,512	(7,196)	(7,444)	(8,531)
Direct tax	(9,178)	(6,269)	(12,055)	(12,078)
Net cash from Op. activities	42,036	29,944	393,134	67,986
Capital expenditures	(21,777)	(3,480)	(28,679)	(29,004)
Interest / Dividend Income	268	3,175	3,239	3,303
Others	324	(26,183)	(168)	(177)
Net Cash from Invt. activities	(21,185)	(26,487)	(25,609)	(25,877)
Issue of share cap. / premium	-	-	-	-
Debt changes	(13,309)	2,312	(45,710)	(2,361)
Dividend paid	(2,057)	(2,343)	(1,758)	(1,758)
Interest paid	(1,598)	(248)	(940)	(1,006)
Others	-	(15)	-	-
Net cash from Fin. activities	(16,963)	(295)	(48,408)	(5,125)
Net change in cash	3,889	3,162	319,117	36,984
Free Cash Flow	20,260	26,465	364,455	38,982

Source: Company Data, PL Research

Quarterly Financials (Rs m)

Y/e Mar	Q1FY21	Q2FY21	Q3FY21	Q4FY21
Net Revenue	58,352	63,779	63,531	59,917
YoY gr. (%)	8.9	15.6	9.5	(1.2)
Raw Material Expenses	24,074	25,157	25,723	24,071
Gross Profit	34,278	38,622	37,809	35,846
Margin (%)	58.7	60.6	59.5	59.8
EBITDA	11,678	13,273	13,568	12,649
YoY gr. (%)	10.3	22.3	22.0	1.4
Margin (%)	20.0	20.8	21.4	21.1
Depreciation / Depletion	2,555	2,573	2,765	2,660
EBIT	9,123	10,699	10,803	9,989
Margin (%)	15.6	16.8	17.0	16.7
Net Interest	211	157	195	182
Other Income	2,051	1,593	1,452	879
Profit before Tax	10,964	12,135	12,060	10,686
Margin (%)	18.8	19.0	19.0	17.8
Total Tax	3,037	3,873	10,591	2,597
Effective tax rate (%)	27.7	31.9	87.8	24.3
Profit after Tax	7,927	8,262	1,469	8,089
Minority interest	120	205	145	80
Share Profit from Associates	-	-	-	-
Adjusted PAT	7,807	8,057	1,324	8,009
YoY gr. (%)	20.4	23.5	(81.6)	(4.3)
Margin (%)	13.4	12.6	2.1	13.4
Extra Ord. Income / (Exp)	-	-	-	-
Reported PAT	7,807	8,057	1,324	8,009
YoY gr. (%)	20.4	23.5	(81.6)	(4.3)
Margin (%)	13.4	12.6	2.1	13.4
Other Comprehensive Income	-	-	-	-
Total Comprehensive Income	7,807	8,057	1,324	8,009
Avg. Shares O/s (m)	586	586	586	586
EPS (Rs)	13.3	13.8	2.3	13.7

Source: Company Data, PL Research

Per Share(Rs)				
EPS	48.3	92.0	60.9	66.9
CEPS	64.8	110.0	83.1	90.7
BVPS	286.9	374.3	428.5	492.5
FCF	34.6	45.2	622.0	66.5
DPS	3.0	3.0	3.0	3.0
Return Ratio(%)				
RoCE	16.5	16.5	17.2	17.8
ROIC	13.6	14.4	14.6	14.5
RoE	18.4	27.8	15.2	14.5
Balance Sheet				

FY20

Net Debt : Equity (x)	0.2	0.0	0.0	(0.1)
Net Working Capital (Days)	152	145	140	139
Valuation(x)				
PER	20.1	10.5	15.9	14.5
P/B	3.4	2.6	2.3	2.0
P/CEPS	15.0	8.8	11.7	10.7
EV/EBITDA	13.2	11.0	9.6	8.7
EV/Sales	2.6	2.3	2.1	1.9

0.3

0.3

0.3

0.3

Source: Company Data, PL Research

Key Operating Metrics

Dividend Yield (%)

Key Financial Metrics

Y/e Mar

Y/e Mar	FY20	FY21	FY22E	FY23E
US Formulations	114,831	131,430	143,729	157,182
EU & ROW	72,764	77,752	85,057	93,199
ARV formulations	12,515	12,600	13,367	14,181
APIs	30,834	34,055	36,555	39,293

Source: Company Data, PL Research





Analyst Coverage Universe

Sr. No.	Company Name	Rating	TP (Rs)	Share Price (Rs)
1	Aurobindo Pharma	BUY	1,023	903
2	Cadila Healthcare	Accumulate	696	627
3	Cipla	Accumulate	960	904
4	Dr. Lal PathLabs	UR	-	2,996
5	Dr. Reddy's Laboratories	Accumulate	5,420	5,197
6	Eris Lifesciences	Accumulate	724	656
7	Glenmark Pharmaceuticals	Sell	422	503
8	Indoco Remedies	BUY	401	338
9	Ipca Laboratories	Accumulate	2,163	2,071
10	Jubilant Pharmova	Accumulate	1,088	916
11	Lupin	Accumulate	1,314	1,212
12	Sun Pharmaceutical Industries	Accumulate	773	700
13	Thyrocare Technologies	UR	-	988

PL's Recommendation Nomenclature (Absolute Performance)

 Buy
 : > 15%

 Accumulate
 : 5% to 15%

 Hold
 : +5% to -5%

 Reduce
 : -5% to -15%

 Sell
 : < -15%</td>

Not Rated (NR) : No specific call on the stock
Under Review (UR) : Rating likely to change shortly



ANALYST CERTIFICATION

(Indian Clients)

We/l, Mr. Surajit Pal- PGDBA, CFA, M.Com Research Analysts, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report.

(US Clients)

The research analysts, with respect to each issuer and its securities covered by them in this research report, certify that: All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is or will be directly related to the specific recommendation or views expressed in this research report.

DISCLAIMER

Indian Clients

Prabhudas Lilladher Pvt. Ltd, Mumbai, India (hereinafter referred to as "PL") is engaged in the business of Stock Broking, Portfolio Manager, Depository Participant and distribution for third party financial products. PL is a subsidiary of Prabhudas Lilladher Advisory Services Pvt Ltd. which has its various subsidiaries engaged in business of commodity broking, investment banking, financial services (margin funding) and distribution of third party financial/other products, details in respect of which are available at www.plindia.com.

This document has been prepared by the Research Division of PL and is meant for use by the recipient only as information and is not for circulation. This document is not to be reported or copied or made available to others without prior permission of PL. It should not be considered or taken as an offer to sell or a solicitation to buy or sell any security.

The information contained in this report has been obtained from sources that are considered to be reliable. However, PL has not independently verified the accuracy or completeness of the same. Neither PL nor any of its affiliates, its directors or its employees accepts any responsibility of whatsoever nature for the information, statements and opinion given, made available or expressed herein or for any omission therein.

Recipients of this report should be aware that past performance is not necessarily a guide to future performance and value of investments can go down as well. The suitability or otherwise of any investments will depend upon the recipient's particular circumstances and, in case of doubt, advice should be sought from an independent expert/advisor.

Either PL or its affiliates or its directors or its employees or its representatives or its clients or their relatives may have position(s), make market, act as principal or engage in transactions of securities of companies referred to in this report and they may have used the research material prior to publication.

PL may from time to time solicit or perform investment banking or other services for any company mentioned in this document.

PL is in the process of applying for certificate of registration as Research Analyst under Securities and Exchange Board of India (Research Analysts) Regulations, 2014

PL submits that no material disciplinary action has been taken on us by any Regulatory Authority impacting Equity Research Analysis activities.

PL or its research analysts or its associates or his relatives do not have any financial interest in the subject company.

PL or its research analysts or its associates or his relatives do not have actual/beneficial ownership of one per cent or more securities of the subject company at the end of the month immediately preceding the date of publication of the research report.

PL or its research analysts or its associates or his relatives do not have any material conflict of interest at the time of publication of the research report.

PL or its associates might have received compensation from the subject company in the past twelve months

PL or its associates might have managed or co-managed public offering of securities for the subject company in the past twelve months or mandated by the subject company for any other assignment in the past twelve months.

PL or its associates might have received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months.

PL or its associates might have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past twelve months

PL or its associates might have received any compensation or other benefits from the subject company or third party in connection with the research report.

PL encourages independence in research report preparation and strives to minimize conflict in preparation of research report. PL or its analysts did not receive any compensation or other benefits from the subject Company or third party in connection with the preparation of the research report. PL or its Research Analysts do not have any material conflict of interest at the time of publication of this report.

It is confirmed that Mr. Surajit Pal- PGDBA, CFA, M.Com Research Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months

Compensation of our Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

The Research analysts for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

The research analysts for this report has not served as an officer, director or employee of the subject company PL or its research analysts have not engaged in market making activity for the subject company

Our sales people, traders, and other professionals or affiliates may provide oral or written market commentary or trading strategies to our clients that reflect opinions that are contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that are inconsistent with the recommendations expressed herein. In reviewing these materials, you should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest.

PL and its associates, their directors and employees may (a) from time to time, have a long or short position in, and buy or sell the securities of the subject company or (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 subject company or act as an advisor or lender/borrower to the subject company or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.

US Clients

This research report is a product of Prabhudas Lilladher Pvt. Ltd., which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by Prabhudas Lilladher Pvt. Ltd. only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, Prabhudas Lilladher Pvt. Ltd. has entered into an agreement with a U.S. registered broker-dealer, Marco Polo Securities Inc. ("Marco Polo").

Transactions in securities discussed in this research report should be effected through Marco Polo or another U.S. registered broker dealer.

Prabhudas Lilladher Pvt. Ltd.

3rd Floor, Sadhana House, 570, P. B. Marg, Worli, Mumbai-400 018, India | Tel: (91 22) 6632 2222 Fax: (91 22) 6632 2209 www.plindia.com