Buy



Aditya Birla Fashion

 BSE SENSEX
 S&P CNX

 62,869
 18,696

CMP: INR317 TP: INR380 (+20%)

FASHION & RETAIL

Stock Info

Bloomberg	ABFRL IN
Equity Shares (m)	938
M.Cap.(INRb)/(USDb)	300.9 / 3.7
52-Week Range (INR)	359 / 221
1, 6, 12 Rel. Per (%)	-13/3/13
12M Avg Val (INR M)	827
Free float (%)	43.9

Financials Snapshot (INR b)

INRb	FY22	FY23E	FY24E
Sales	81.4	125.8	150.0
EBITDA	11.0	19.9	25.9
Adj. PAT	-1.2	3.9	6.4
EBITDA Margin (%)	13.5	15.9	17.3
Adj. EPS (INR)	-1.3	4.1	6.8
EPS Gr. (%)	-84.0	LP	65.6
BV/Sh. (INR)	29.7	40.7	47.5
Ratios			
Net D:E	0.2	0.0	0.0
RoE (%)	-4.4	11.7	15.4
RoCE (%)	3.3	12.1	14.4
Payout (%)	0.0	0.0	0.0
Valuations			
P/E (x)	NM	77.4	46.7
EV/EBITDA (x)	30.7	17.3	13.2
EV/Sales (x)	3.8	2.5	2.0
Div. Yield (%)	0.0	0.0	0.0
FCF Yield (%)	2.1	1.2	5.3

Shareholding pattern (%)

As On	Sep-22	Jun-22	Sep-21
Promoter	56.1	56.1	56.1
DII	19.4	20.0	18.2
FII	14.7	13.7	14.4
Others	9.9	10.2	11.3

FII Includes depository receipts

Stock Performance (1-year)



Catering to the digital native customer

To cater to the preferences of the digital, native, young customer, ABFRL is building a portfolio of ~30 D2C brands in the Lifestyle categories, including Beauty & Personal Care. ABFRL, with a host of brands across value chain and product categories, could grow it organically. Similar to the inroads in the ethnic wear segment, the idea is to take part in the growth stories of small brands by providing support (capital, supply chain, technology, and backend support) to improve their market offerings.

D2C takes off with eight digital-first lifestyle brands

Acquires eight D2C brands

TMRW, ABFRL's subsidiary, recently announced acquisition of majority stakes in eight digital-first lifestyle brands across categories (see exhibit 2) for a total cash consideration of INR2.9b. The segment now has achieved a revenue run-rate of over INR7b and is on track to cross annual rate of over INR15b in the next 12 months. This would be a contribution of ~10% on ABFRL's FY24E consolidated revenues.

More to follow, aim to create larger scale

The company plans to scale up by adding another 10-12 brands over the next 12 months and create a portfolio of ~30 new-age, digital first brands over the next three years. In the initial round of building its portfolio, ABFRL plans to infuse INR5-6b capital from its balance sheet for both organic and inorganic growth, including loss funding. Post this, with a reasonable number of brands in the portfolio and revenue scale, it may look for a strategic investor for the incremental growth.

ABFRL – a play on multiple growth categories

The lifestyle and apparel space has opened up a host of new growth categories in the recent past, viz., value category, occasion wear, and online space. While a few companies have concentrated on select categories to drive operational focus, some large conglomerates such as Birla Group, Reliance, and Tata have tried to include a wider landscape to offer balance sheet support. ABFRL's strong execution capability is reflected in its ability to scale up a series of strong brands in the last 10 years. Management has reiterated its focus to achieve its FY26 revenue/EBITDA targets of INR210b/23.5b, which should gradually reduce the loss funding in new businesses and turn them profitable.

Leverage position in control

After a series of fund raise (right issue and preferential issues), ABFRL has reduced its net debt to INR2.4b as on Sep'22 from its peak net debt of INR24b as on Mar'20, despite the recent series of acquisitions. The internal accrual (PAT + Depreciation on pre-Ind AS basis) of INR6b/INR10b in FY23/FY24 should well take care of the organic growth capex. The additional INR14.5b from GIC should take care of the D2C funding and yet keep enough capital for new growth engines.

Aliasgar Shakir - Research Analyst (Aliasgar.Shakir@motilaloswal.com)

Research Analyst: Harsh Gokalgandhi (Harsh.Gokalgandhi@motilaloswal.com) | Tanmay Gupta (Tanmay.Gupta@motilaloswal.com

MOTILAL OSWAL

Valuation and view

We value ABFRL on a SoTP basis to arrive at our TP of INR380, assigning an EV/EBITDA ratio of 15x to the Lifestyle brands, given the strong recovery and improved profitability; 15x to Pantaloons; and an EV/sales ratio of 1x to Other businesses on a FY24E basis. On a pre-Ind AS 116 EBITDA of INR12.5b for FY24E, this works out to be EV/EBITDA of ~29x. An improved balance sheet, healthy cash flows, and a strong overall performance remain key tailwinds for the stock. We reiterate our Buy rating on the stock.

D2C PLATFORM AND PRODUCTS

Ventures into D2C segment

- In Feb'22, the company approved setting up a new subsidiary "TMRW" to foray into the D2C business with a view of building a portfolio of distinct, new-age, digital brands across categories in fashion, beauty, and other allied lifestyle segments.
- The company plans to build a portfolio of online first and digital brands through organic and inorganic means.
- Within this D2C platform, the company plans a capex of INR4b to create a portfolio of 20-30 online focus brands with the ability to generate INR5-8b revenue in the near term. The company's initial focus will be to create in-house online focused brands and later acquire specialized product brands with the capability to achieve larger scale.

Rationale for venturing into the D2C segment:

- The company believes that all the existing lifestyle brand under its portfolio present a strong growth opportunity, which will continue to grow as per category extension and consumer ask.
- Further, the LFL (Like for Like) growth of online brands are expected to be far better than the industry. The company looks to tap the opportunity.
- The company would look to build this segment from its learning within the ethnic wear segment where it aligned its core competency with the brand/product expertise to drive business growth.

Composition of D2C segment:

- The company would target brands with a strong online presence and provides them with capital and supply chain network.
- The selected brands could have a specialization in any particular product, e.g., socks, innerwear, shorts, denims, and women kurtas.
- The segment has noted the emergence of these brands in the past few years.
- With more young consumers preferring to buy fashion apparels online, some of these new brands have done well to reach a good revenue scale and attract these young customers.
- The idea would be to create a portfolio of digital only, smaller brands by acquiring them at a reasonable price when they are young and grow the brands by leveraging the digital space.
- Apart from core brands, these will be new digital only brands.

The company's strategy would be to first focus on building organic brands and then acquire existing brands with good growth potential. This could be a host of 20-30 small brands specialized in a specific product with strong customer pull, but limited ability to scale up.

■ Capex: Expected investment to be in the range of INR4b for the next 12-18months. The capex outlay would be based on the idea of building a segment capable of generating INR5-8b revenue.

Reason for setting up a separate subsidiary

- Many of the businesses under this segment are in their nascent stages, and thus would require an unconventional support as against traditional brands.
- In addition to separate capital and bandwith requirements, a separate skillset would be needed to scale up and grow the segment, hence, ABFRL looks to set up a separate company.
- Further, ABFRL has a strong management bandwidth with several brand heads.
 D2C, on the other hand, would need to have a separate management team to ensure it gets the right focus.
- The company will look to collaborate with the designers and promoters and provide them support in the form of capital, supply chain and technology, and backend support, etc.
- The company will scale up the capex as per requirements going ahead and will decide on onboarding any strategic investor at a later stage.

Exhibit 1: FY23E valuation-based on SoTP

FY24E	EBITDA/Sales	Multiple	EV
Lifestyle Brands	13,586	15	2,01,071
Pantaloons	11,670	15	1,75,057
Others	17,935	1	17,935
Total EV			3,94,063
Less: Net debt			37,256
Equity Value			3,56,807
No of Shares			938
ТР			380
CMP			317
Upside			20%

Source: MOFSL, Company

Motilal Oswal Aditya Birla Fashion

Exhibit 2: Acquisitions made across various segments

Company Name	Category	Incorporation date	Stake acquired	Amount paid (INR m)	Mode of deployment
BerryLush	Women's Western Wear	2017	51%	270	Cash (incl secondary and primary infusion)
Bewakoof	Casual & Expressive Wear	2011	73-80%	2,000	Cash (incl debt, secondary and primary infusion)
Natilene	Teen's Occasion Wear	1994	100%	100	Cash (incl secondary and
Nauti Nati	Kid's Wear	1994 100%		100	primary infusion)
Nobero	Athleisure & Active Wear	2014	66%	130	Cash (incl secondary and primary infusion)
Urbano	Casual & Denim Wear	2012	55%	180	Cash (incl secondary and primary infusion)
Verido	Casual Wear & Fast Fashion	_ 2020	55%	210	Cash (incl secondary and
Juneberry	Women's Casual & Western Wear	2020	JJ/0	210	primary infusion)
Total				2,890	

Source: Company, MOFSL

Exhibit 3: Acquisitions executed at a reasonable valuation

Company Name	F	levenue (INR m	1)	EV (INR m)	Valuation (x)	
	FY20	FY21	FY22		(EV/Sales)	
BerryLush	40	160	370	529.4	1.4	
Bewakoof*	2,100	1,290	1,620	2,000.0	1.0	
Natilene	200	110	150	100.0	0.3	
Nauti Nati		110	150	100.0	0.5	
Nobero	130	190	120	197.0	1.0	
Urbano	290	330	550	327.3	0.6	
Verido	NI A	210	250	201.0	1.1	
Juneberry	N.A	310	350	381.8	1.1	
Total						

^{*} Assumed total consideration to be 75% through equity and rest on debt

Source: Company, MOFSL

 $Motilal\ Oswal$ Aditya Birla Fashion

Story in charts

Exhibit 4: Expect revenue to pick up in FY23E

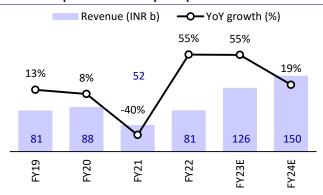


Exhibit 5: Gross margins to improve from FY23 onwards

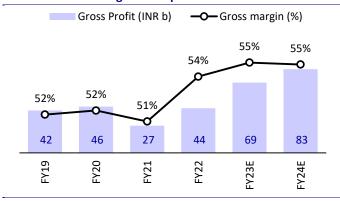


Exhibit 6: EBITDA margins to see gradual expansion

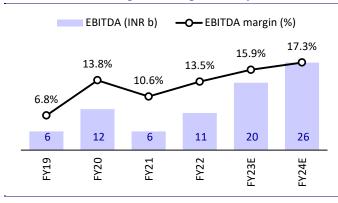


Exhibit 7: Expect profitability to resume from FY23

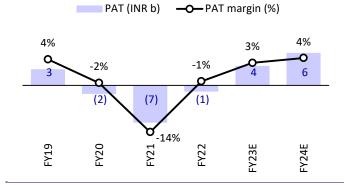
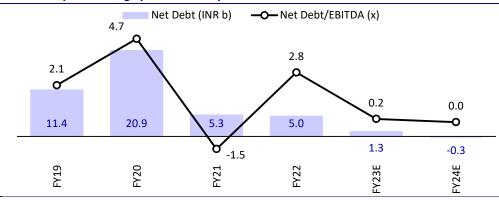


Exhibit 8: Expect leverage position to improve



Calculated on pre-Ind AS basis. Source: MOFSL, Company

Exhibit 9: Reconciliation of debt movement in 1HFY23

Debt Reconciliation (INR b)	FY22	1HFY23
Gross Debt (Opening)	11.4	12.3
Inflow		
Operating Cash flow	8.8	2.5
Fund Raise	2.5	7.7
Borrowings	1.0	1.3
Total funds	23.6	23.8
Outflow		
WC Changes	-0.2	4.0
Capex	3.2	3.1
Pur of Investments	2.4	0.8
Change in Net Debt	0.3	2.6
Other Cash outflow	5.6	-0.5
Total Outflow	11.2	10.1
Gross Debt (Closing)	12.3	13.7
Cash and cash Equivalent	1.2	1.6
Current Investment	6.1	9.8
Net Debt	5.0	2.4

Source: MOFSL, Company

Exhibit 10: Segmental performance (INR b)

Revenue (INR b)	FY19	FY20	FY21	FY22	FY23E	FY24E	Growth FY20-22 (%)
Lifestyle Brands	43.0	46.3	27.5	45.2	65.6	73.4	(2.3)
Other brands	3.7	5.2	4.9	7.1	11.2	15.5	35.5
Pantaloons	31.9	35.1	18.6	26.3	45.6	55.6	(25.3)
Ethnic		0.5	0.7	3.1	5.3	7.9	591.1
Total revenue	81.2	87.9	52.5	81.4	125.8	150.0	(7.4)
EBITDA (INR b)							
Lifestyle Brands	5.2	8.0	3.4	7.9	11.8	13.6	(1.1)
margin (%)	12.0	17.2	12.4	17.4	18.0	18.5	
Other brands	(0.3)	(0.5)	(0.2)	0.1	0.1	0.2	(113.3)
margin (%)	(9.0)	(9.8)	(3.1)	1.0	0.6	1.1	
Pantaloons	2.3	5.6	2.8	3.7	7.8	11.7	(34.6)
margin (%)	7.2	16.0	14.8	14.0	17.2	21.0	
Ethnic		(0.1)	(0.4)	0.3	(0.9)	(1.4)	(330.8)
margin (%)		(28.9)	(55.9)	9.6	(17.0)	(17.0)	
Consolidated EBITDA	5.5	12.1	5.5	11.0	19.9	25.9	(9.2)
margin (%)	6.8	13.8	10.6	13.5	15.9	17.3	

Source: MOFSL, Company

 $Motilal\ Oswal$ Aditya Birla Fashion

Financials and valuations

Consolidated - Income Statement							(INR m
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24
Total Income from Operations	71,721	81,177	87,879	52,489	81,362	1,25,753	1,49,95
Change (%)	8.6	13.2	8.3	-40.3	55.0	54.6	19.
Raw Materials	33,901	39,250	42,242	25,630	37,202	56,278	67,31
Employees Cost	7,723	9,130	10,805	8,654	11,585	15,593	19,49
Rent	10,429	11,104	4,870	107	3,932	8,363	7,798
Other Expenses	14,985	16,153	17,843	12,552	17,644	25,584	29,42
Total Expenditure	67,038	75,637	75,760	46,942	70,363	1,05,817	1,24,022
% of Sales	93.5	93.2	86.2	89.4	86.5	84.1	82.7
EBITDA	4,683	5,541	12,118	5,548	10,999	19,936	25,930
Margin (%)	6.5	6.8	13.8	10.6	13.5	15.9	17.3
Depreciation	2,805	2,823	8,853	9,628	9,970	11,831	13,806
EBIT	1,878	2,717	3,265	-4,080	1,029	8,106	12,123
Int. and Finance Charges	1,716	1,874	4,247	5,026	3,507	4,099	4,525
Other Income	328	648	653	734	1,006	980	980
PBT bef. EO Exp.	490	1,491	-329	-8,372	-1,473	4,987	8,578
EO Items	0	0	0	0	0	0	(
PBT after EO Exp.	490	1,491	-329	-8,372	-1,473	4,987	8,578
Total Tax	-688	-1,721	1,321	-1,015	-266	1,101	2,144
Tax Rate (%)	-140.5	-115.4	-401.7	12.1	18.0	22.1	25.0
Reported PAT	1,178	3,212	-1,650	-7,357	-1,207	3,886	6,433
Adjusted PAT	1,178	3,212	-1,650	-7,357	-1,207	3,886	6,433
Change (%)	113.4	172.7	-151.4	345.8	-83.6	-421.9	65.6
Margin (%)	1.6	4.0	-1.9	-14.0	-1.5	3.1	4.3
Consolidated - Balance Sheet							(INR m
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24I
Equity Share Capital	7,717	7,735	7,740	9,151	9,383	9,487	9,487
Total Reserves	3,214	6,554	3,138	17,612	18,502	29,164	35,597
Net Worth	10,931	14,289	10,878	26,763	27,885	38,651	45,084
Total Loans	18,615	11,982	23,688	11,364	12,323	14,123	14,123
Lease Liability		•	25,018	24,634	28,681	35,952	42,279
Deferred Tax Liabilities	-688	-2,634	-1,950	-3,339	-3,805	-3,805	-3,805
Capital Employed	28,857	23,637	57,634	59,421	65,085	84,922	97,681
Gross Block	30,667	32,410	63,457	75,981	92,395	1,08,130	1,25,890
Less: Accum. Deprn.	4,844	6,855	14,022	21,851	31,821	41,621	55,427
Net Fixed Assets	25,823	25,555	49,435	54,130	60,573	66,509	70,463
Right to use Assets	-,	,	22,069	21,414	25,229	26,838	27,282
Capital WIP	459	224	441	376	1,032	1,026	1,026
Total Investments	42	42	142	4,198	6,860	6,860	6,860
Curr. Assets, Loans&Adv.	30,326	37,756	45,688	39,671	51,796	70,131	86,29
Inventory	16.012	10.212	22,000	10.470	20,200	27,000	44.00

Inventory 16,912 19,213 23,668 18,470 29,296 37,898 41,083 Account Receivables 5,518 7,808 8,405 7,305 7,564 12,059 14,379 Cash and Bank Balance 6,738 14,404 728 574 2,669 2,618 1,205 Loans and Advances 7,168 10,161 10,946 11,279 13,731 13,437 16,433 Curr. Liability & Prov. 27,793 39,940 38,954 59,604 66,965 38,072 55,176 **Account Payables** 23,734 44,789 49,299 20,093 23,974 22,899 34,106 Other Current Liabilities 5,780 13,943 13,284 13,342 19,041 12,059 14,379 **Provisions** 1,920 2,023 1,888 1,878 2,030 2,756 3,287 **Net Current Assets** 2,533 -2,184 7,616 717 -3,380 10,528 19,334 28,858 **Appl. of Funds** 23,637 59,421 65,085 84,922 97,681 57,634

Financials and valuations

Basic (INR)	Ratios							
FPS	Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Cash IPS 5.2 7.8 9.3 2.5 9.3 16.6 21.2 BW/Share 1.4 21.85 1.4.1 29.2 29.7 40.7 47.5 OPS 0.0	Basic (INR)							
BV/Share	EPS	1.5	4.2	-2.1	-8.0	-1.3	4.1	6.8
PS Q	Cash EPS	5.2	7.8	9.3	2.5	9.3	16.6	21.3
Payout (%)	BV/Share	14.2	18.5	14.1	29.2	29.7	40.7	47.5
	DPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0
P/E	Payout (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cash P/E 60,7 40,1 33,7 12,65 33,6 19,0 14,1	Valuation (x)							
P/BW	P/E	205.4	75.6	-147.3	-39.1	-244.1	76.7	46.3
EV/SelfoA	Cash P/E	60.7	40.1	33.7	126.5	33.6	19.0	14.7
EV/EBITOA	P/BV	22.1	16.9	22.3	10.7	10.6	7.7	6.6
Dividend Yield (%) 0.0 0	EV/Sales	3.6	3.1	3.0	5.6	3.8	2.4	2.0
FCF per share 3.5 3.2 2.5 9.8 6.7 3.9 16.5 Return Ratios (%) Roce 11.5 25.5 -13.1 -39.1 -4.4 11.7 15.4 Roce 7.5 12.8 9.6 -5.7 3.3 12.1 14.4 Roce 7.8 13.3 10.2 -6.3 3.8 12.1 14.4 Morking Capital Ratios 8 1.6 6.3 3.8 12.1 12.1 Asset Turnover (x) 2.3 2.5 1.4 0.7 0.9 1.2 1.2 Asset Turnover (x) 2.3 2.5 1.4 0.7 0.9 1.2 1.1 Asset Turnover (x) 2.8 3.5 3.5 1.3 1.5 1.5 Inventory (Days) 86 86 98 1.28 131 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.1 1.0 1.0 1.0 1.0 1.0 <td>EV/EBITDA</td> <td>55.6</td> <td>45.9</td> <td>23.9</td> <td>57.8</td> <td>30.4</td> <td>17.1</td> <td>13.1</td>	EV/EBITDA	55.6	45.9	23.9	57.8	30.4	17.1	13.1
Return Ratios (%) Roc 1.1.5	Dividend Yield (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Roc	FCF per share	3.5	3.2	2.5	9.8	6.7	3.9	16.7
ROCE 7.5 12.8 9.6 -5.7 3.3 12.1 14.4 RoIC 7.8 13.3 10.2 -6.3 3.8 14.4 18.0 Working Capital Ratios Fixed Asset Turnover (x) 2.3 2.5 1.4 0.7 0.9 1.2 1.2 Asset Turnover (x) 2.5 3.4 1.5 0.9 1.3 1.5 1.5 Inventory (Days) 86 86 86 88 128 133 110 100 Debtor (Days) 102 108 95 165 153 30 132 Creditor (Days) 102 108 95 165 153 130 120 Leverage Ratio (x) 11 0.9 1.2 1.0 0.9 1.2 1.1 1.4 0.8 -0.8 0.3 2.0 2.2 1.2 Interest Cover Ratio 1.1 1.4 0.8 0.8 0.9 0.2 0.2 2.2 1.2	Return Ratios (%)							
RolC 7.8 13.3 10.2 6.3 3.8 14.4 18.6 Working Capital Ratios Working Capital	RoE	11.5	25.5	-13.1	-39.1	-4.4	11.7	15.4
Working Capital Ratios Fixed Asset Turnover (x) 2.3 2.5 1.4 0.7 0.9 1.2	RoCE	7.5	12.8	9.6	-5.7	3.3	12.1	14.4
Fixed Asset Turnover (x) 2.3 2.5 1.4 0.7 0.9 1.2 1.2 Asset Turnover (x) 2.5 3.4 1.5 0.9 1.3 1.5 1.5 Debtor (Days) 86 86 98 128 131 110 101 Debtor (Days) 28 35 35 51 34 35 33 Creditor (Days) 102 108 95 165 153 130 120 Debtor (Days) 102 108 95 165 153 130 120 Debtor (Days) 102 108 95 165 153 130 120 Debtor (Days) 111 0.9 1.2 1.0 0.9 1.2 1.1 Deterage Ratio (x) 1.1 1.4 0.8 0.8 0.3 0.3 2.0 2.7 Derectage Ratio (x) 1.1 1.4 0.8 0.8 0.8 0.3 2.0 2.7 Deptite (Days) 1.5 1.1 1.4 0.8 0.8 0.8 0.3 2.0 2.7 Deptite (Days) 1.1 1.4 0.8 0.8 0.8 0.8 0.3 2.0 2.7 Deptite (Days) 1.1 1.4 0.8 0.8 0.8 0.8 0.8 0.9 0.0 0.0 Consolidated - Cash Flow Statement FY18 FY19 FY20 FY21 FY22 FY23E FY23E Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1.4 1.4 1.4 1.4 Deptite (Days) 1.4 1	RoIC	7.8	13.3	10.2	-6.3	3.8	14.4	18.0
Asset Turnover (x)	Working Capital Ratios							
Inventory (Days)	Fixed Asset Turnover (x)	2.3	2.5	1.4	0.7	0.9	1.2	1.2
Debtor (Days) 102 108 95 165 153 130 120	Asset Turnover (x)	2.5	3.4	1.5	0.9	1.3	1.5	1.5
Creditor (Days) 102 108 95 165 153 130 120 Leverage Ratio (x) Current Ratio 1.1 0.9 1.2 1.2 1.2 Current Ratio 1.1 1.0 0.9 1.2 1.2 Interest Cover Ratio 1.1 1.4 0.8 -0.8 0.3 2.0 2.7 Net Debt/Equity 1.6 0.8 1.9 0.2 0.2 0.0 -0.2 Consolidated - Cash Flow Statement FY18 FY19 FY20 FY21 FY22 FY23F FY24 OP/(Loss) before Tax 490 1,491 -329 -8,375 1,494 4,987 8,578 Depreciation 2,805 2,823 8,853 9,628 9,970 11,831 13,800 Interest & Finance Charges 1,669 1,846 4,220 5,004 3,484 4,099 4,525 Direct Taxes Paid -10 -196 -65 -28 -104 -1,101 -2,444	Inventory (Days)	86	86	98	128	131	110	100
Current Ratio (x) Current Ratio 1.1 0.9 1.2 1.0 0.9 1.2 1.1 Interest Cover Ratio 1.1 1.4 0.8 -0.8 0.3 2.0 2.7 Net Debt/Equity 1.6 0.8 1.9 0.2 0.2 0.0 0.0 Consolidated - Cash Flow Statement FY18 FY19 FY20 FY21 FY22 FY23E FY24E CP/(Loss) before Tax 490 1.491 -3.29 -8,375 -1,449 4,987 8,578 Depreciation 2,805 2,823 8,853 9,628 9,970 11,831 13,806 Interest & Finance Charges 1,669 1,846 4,220 5,004 3,484 4,099 4,525 Direct Taxes Paid -10 -196 -65 -28 -164 -1,101 -2,144 (Inc)/Dec in WC 760 -937 -6,126 8,528 241 -8,375 -1,440 Cf From Operations 5,714 5,028 6,552 14,756 12,082 11,440 23,625 Cf From Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,648 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Cf From Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,648 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 CF From Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,648 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,702 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 Free Cash Flow 2,485	Debtor (Days)	28	35	35	51	34	35	35
Current Ratio 1.1 0.9 1.2 1.0 0.9 1.2 1.5 Interest Cover Ratio 1.1 1.4 0.8 -0.8 0.3 2.0 2.7 Net Debt/Equity 1.6 0.8 1.9 0.2 0.2 0.0 -0.2 Consolidated - Cash Flow Statement (INR m) Y/E March FY18 FY19 FY20 FY21 FY22 FY28E FY38 PFY18 FY19 FY20 FY21 FY22 FY28E FY48 FY18 FY19 FY20 FY21 FY22 FY28E FY38 Fy34 Ay Ay Ay Ay Ay Ay Ay Ay Ay <t< td=""><td>Creditor (Days)</td><td>102</td><td>108</td><td>95</td><td>165</td><td>153</td><td>130</td><td>120</td></t<>	Creditor (Days)	102	108	95	165	153	130	120
Interest Cover Ratio 1.1	Leverage Ratio (x)							
Net Debt/Equity 1.6	Current Ratio	1.1	0.9	1.2	1.0	0.9	1.2	1.3
Consolidated - Cash Flow Statement FY18 FY19 FY20 FY21 FY22 FY23E FY24E OP/Loss) before Tax 490 1,491 -329 -8,375 -1,449 4,987 8,575 Depreciation 2,805 2,823 8,853 9,628 9,970 11,831 13,806 Interest & Finance Charges 1,669 1,846 4,220 5,004 3,484 4,099 4,525 Direct Taxes Paid -10 -196 -65 -28 -164 -1,101 -2,144 (Inc)/Dec in WC 760 -937 -6,162 8,528 241 -8,375 -1,440 23,622 Others 237 249 -112 -3,718 -2,577 -980 -980 CF from Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,648 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,602 Lease Payments - 0 <td>Interest Cover Ratio</td> <td>1.1</td> <td>1.4</td> <td>0.8</td> <td>-0.8</td> <td>0.3</td> <td>2.0</td> <td>2.7</td>	Interest Cover Ratio	1.1	1.4	0.8	-0.8	0.3	2.0	2.7
Y/E March FY18 FY19 FY20 FY21 FY22 FY28E FY28E OP/(Loss) before Tax 490 1,491 -329 -8,375 -1,449 4,987 8,578 Depreciation 2,805 2,823 8,853 9,628 9,970 11,831 13,806 Interest & Finance Charges 1,669 1,846 4,220 5,004 3,484 4,099 4,525 Direct Taxes Paid -10 -196 -65 -28 -164 -1,101 -2,144 (Inc)/Dec in WC 760 -937 -6,126 8,528 241 -8,375 -1,44 CF from Operations 5,714 5,028 6,552 14,756 12,082 11,440 23,625 Others 237 249 -112 -3,718 -2,577 -980 -980 CF from Operating incl EO 5,951 5,276 6,404 11,038 9,505 10,460 22,648 (Inc)/Dec in FA -3,271 -2,792 -4,485 <td< td=""><td>Net Debt/Equity</td><td>1.6</td><td>0.8</td><td>1.9</td><td>0.2</td><td>0.2</td><td>0.0</td><td>-0.2</td></td<>	Net Debt/Equity	1.6	0.8	1.9	0.2	0.2	0.0	-0.2
Y/E March FY18 FY19 FY20 FY21 FY22 FY28E FY28E OP/(Loss) before Tax 490 1,491 -329 -8,375 -1,449 4,987 8,578 Depreciation 2,805 2,823 8,853 9,628 9,970 11,831 13,806 Interest & Finance Charges 1,669 1,846 4,220 5,004 3,484 4,099 4,525 Direct Taxes Paid -10 -196 -65 -28 -164 -1,101 -2,144 (Inc)/Dec in WC 760 -937 -6,126 8,528 241 -8,375 -1,44 CF from Operations 5,714 5,028 6,552 14,756 12,082 11,440 23,625 Others 237 249 -112 -3,718 -2,577 -980 -980 CF from Operating incl EO 5,951 5,276 6,404 11,038 9,505 10,460 22,648 (Inc)/Dec in FA -3,271 -2,792 -4,485 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
OP/(Loss) before Tax 490 1,491 -329 -8,375 -1,449 4,987 8,576 Depreciation 2,805 2,823 8,853 9,628 9,970 11,831 13,806 Interest & Finance Charges 1,669 1,846 4,220 5,004 3,484 4,099 4,525 Direct Taxes Paid -10 -196 -65 -28 -164 -1,101 -2,144 (Inc)/Dec in WC 760 -937 -6,126 8,528 241 -8,375 -1,144 CF from Operations 5,714 5,028 6,552 14,756 12,082 11,440 23,625 Others 237 249 -112 -3,718 -2,577 -980 -988 CF from Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,645 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments -0 -6,023 -7,550 <td>Consolidated - Cash Flow Statement</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>(INR m)</td>	Consolidated - Cash Flow Statement							(INR m)
Depreciation 2,805 2,823 8,853 9,628 9,970 11,831 13,806 11,816 1,669 1,846 4,220 5,004 3,484 4,099 4,525 1,526 1,669 1,846 4,220 5,004 3,484 4,099 4,525 1,526 1,669 1,846 4,220 5,004 3,484 4,099 4,525 1,526 1,246 1,101 2,144 1,101 2,141 1,101 2,144 1,101 2,144 1,101 2,141 1,101 2,144 1,101 2,141 1,101 2,144 1,101 2,141 1,101 2,144 1,101 2,141 1,101 1,101 1,101 1,101 1,101 1,101 1,101 1,101 1,			FY19	FY20		FY22	FY23E	FY24E
Interest & Finance Charges 1,669 1,846 4,220 5,004 3,484 4,099 4,525 Direct Taxes Paid -10 -196 -65 -28 -164 -1,101 -2,144 (Inc.)/Dec in WC 760 -937 -6,126 8,528 241 -8,375 -1,144 CF from Operations 5,714 5,028 6,552 14,756 12,082 11,440 23,625 Others 237 249 -112 -3,718 -2,577 -980 -980 CF from Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,645 (Inc.)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments -36 22 -1,027 -6,475 -2,422 0 0 Others 58 6 5 181 116 1,003 1,003 CF from Investments -3,250 -2,763 -5,508 -8,396 -5,491 -11,780 -13,307 Inscription Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,645 Dividend Paid 0 0 0 0 0 0 0 0 Others 0 0 0 5,407 -3,774 -5,609 0 0 Others 0 0 -5,407 -3,774 -5,609 0 0 CF from Fin. Activity -2,469 -2,664 1,165 -2,692 -5,270 6,876 -1,645 Opening Balance 29 72 2,688 2,461 1,182 6,715 Closing Balance 20 20 21 156 23 23 23 Less: Other Bank Balance 2 2 1 156 23 23 23 Control of Cash 0 0 0 0 0 0 0 Less: Other Bank Balance 2 2 1 156 23 23 23 Control of Cash 0 0 0 0 0 0 Control of Cash 0 0 0 0 0 0 0 Less: Other Bank Balance 2 2 1 156 23 23 23 Control of Cash 0 0 0 0 0 0 0 Less: Other Bank Balance 2 2 1 156 23 23 23 Control of Cash 0 0 0 0 0 0 0 Cash	OP/(Loss) before Tax	490	1,491	-329	-8,375	-1,449	4,987	8,578
Direct Taxes Paid -10 -196 -65 -28 -164 -1,101 -2,144 (Inc)/Dec in WC 760 -937 -6,126 8,528 241 -8,375 -1,140 CF from Operations 5,714 5,028 6,552 14,756 12,082 11,440 23,625 Others 237 249 -112 -3,718 -2,577 -980 -980 CF from Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,645 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments -10 -3,250 -3,444 1,955 8,937 6,321 3,700 15,885 (Pur)/Sale of Investments -36 22 -1,027 -6,475 -2,422 0 0 0 Others 58 6 5 181 116 1,003 1,003 CF from Investments -3,250 -2,763	•	2,805	2,823	8,853	9,628	9,970	11,831	13,806
Common C	Interest & Finance Charges	1,669	1,846	4,220	5,004	3,484	4,099	4,525
CF from Operations 5,714 5,028 6,552 14,756 12,082 11,440 23,625 Others 237 249 -112 -3,718 -2,577 -980 -980 CF from Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,645 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments 0 -6,023 -7,550 -7,550 -7,550 -7,550 -7,550 -7,550 -7,550 -7,575 -7,550 -7,570 -7,422 -7,570 -7,570 -7,422 -7,570 -7,570 -7,422 -7,	Direct Taxes Paid	-10	-196	-65	-28	-164	-1,101	-2,144
Others 237 249 -112 -3,718 -2,577 -980 -980 CF from Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,645 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments 0 -6,023 -7,550 -7,647 -2,422 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<u> </u>						· · · · · · · · · · · · · · · · · · ·	-1,140
CF from Operating incl EO 5,951 5,276 6,440 11,038 9,505 10,460 22,648 (Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments 0 -6,023 -7,550 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 (Pur)/Sale of Investments -36 22 -1,027 -6,475 -2,422 0 0 Others 58 6 5 181 116 1,003 1,003 Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,645 Dividend Paid 0 0 0 0 0 0 0 CF from Fin. Activity	CF from Operations	5,714	5,028	6,552	14,756	12,082	11,440	23,625
(Inc)/Dec in FA -3,271 -2,792 -4,485 -2,101 -3,185 -6,760 -6,760 Lease Payments 0 -6,023 -7,550 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 (Pur)/Sale of Investments -36 22 -1,027 -6,475 -2,422 0 0 Others 58 6 5 181 116 1,003 1,003 CF from Investments -3,250 -2,763 -5,508 -8,396 -5,491 -11,780 -13,307 Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,649 Dividend Paid 0 0 0 0 0 0 0 CF from Fin. Activity	Others	237	249	-112	-3,718	-2,577	-980	-980
Lease Payments 0 -6,023 -7,550 Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 (Pur)/Sale of Investments -36 22 -1,027 -6,475 -2,422 0 0 Others 58 6 5 181 116 1,003 1,003 CF from Investments -3,250 -2,763 -5,508 -8,396 -5,491 -11,780 -13,307 Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,649 Dividend Paid 0 0 0 0 0 0 0 0 CF from Fin. Activity -2,469 -2,664 1,165 -2,692 -5,270 6,876 -1,649 Inc/Dec		5,951		6,440	11,038	9,505		22,645
Free Cash Flow 2,680 2,484 1,955 8,937 6,321 3,700 15,885 (Pur)/Sale of Investments -36 22 -1,027 -6,475 -2,422 0 0 Others 58 6 5 181 116 1,003 1,003 CF from Investments -3,250 -2,763 -5,508 -8,396 -5,491 -11,780 -13,307 Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,645 Dividend Paid 0	(Inc)/Dec in FA	-3,271	-2,792	-4,485	-2,101	-3,185	-6,760	-6,760
(Pur)/Sale of Investments -36 22 -1,027 -6,475 -2,422 0 0 Others 58 6 5 181 116 1,003 1,003 CF from Investments -3,250 -2,763 -5,508 -8,396 -5,491 -11,780 -13,307 Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,645 Dividend Paid 0	Lease Payments						-6,023	-7,550
Others 58 6 5 181 116 1,003 1,003 CF from Investments -3,250 -2,763 -5,508 -8,396 -5,491 -11,780 -13,307 Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,649 Dividend Paid 0 0 0 0 0 0 0 0 Others 0 0 -5,407 -3,774 -5,609 0 0 0 CF from Fin. Activity -2,469 -2,664 1,165 -2,692 -5,270 6,876 -1,649 Inc/Dec of Cash 233 -152 2,098 -50 -1,256 5,556 7,685 Opening Balance 495 725 571 2,668 2,461	Free Cash Flow	2,680	2,484	1,955	8,937	6,321	3,700	15,885
CF from Investments -3,250 -2,763 -5,508 -8,396 -5,491 -11,780 -13,307 Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,649 Dividend Paid 0	(Pur)/Sale of Investments	-36	22	-1,027	-6,475	-2,422	0	0
Issue of Shares 12 9 72 22,388 2,476 6,880 0 Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,649 Dividend Paid 0	Others	58	6	5	181	116	1,003	1,003
Inc/(Dec) in Debt -1,832 -1,576 10,742 -16,547 960 1,800 0 Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,645 Dividend Paid 0 <td>CF from Investments</td> <td>-3,250</td> <td>-2,763</td> <td>-5,508</td> <td>-8,396</td> <td>-5,491</td> <td>-11,780</td> <td>-13,307</td>	CF from Investments	-3,250	-2,763	-5,508	-8,396	-5,491	-11,780	-13,307
Interest Paid -649 -1,098 -4,243 -4,759 -3,097 -1,804 -1,649 Dividend Paid 0	Issue of Shares	12	9	72	22,388	2,476	6,880	0
Dividend Paid 0 <	Inc/(Dec) in Debt	-1,832	-1,576	10,742	-16,547	960	1,800	0
Others 0 0 -5,407 -3,774 -5,609 0 0 CF from Fin. Activity -2,469 -2,664 1,165 -2,692 -5,270 6,876 -1,645 Inc/Dec of Cash 233 -152 2,098 -50 -1,256 5,556 7,685 Opening Balance 495 725 571 2,668 2,461 1,182 6,715 Closing Balance 727 574 2,669 2,618 1,205 6,738 14,404 less: Other Bank Balance 2 2 1 156 23 23 23	Interest Paid	-649	-1,098	-4,243	-4,759	-3,097	-1,804	-1,649
CF from Fin. Activity -2,469 -2,664 1,165 -2,692 -5,270 6,876 -1,649 Inc/Dec of Cash 233 -152 2,098 -50 -1,256 5,556 7,689 Opening Balance 495 725 571 2,668 2,461 1,182 6,715 Closing Balance 727 574 2,669 2,618 1,205 6,738 14,404 less: Other Bank Balance 2 2 1 156 23 23 23	Dividend Paid	0	0	0	0	0	0	0
Inc/Dec of Cash 233 -152 2,098 -50 -1,256 5,556 7,689 Opening Balance 495 725 571 2,668 2,461 1,182 6,715 Closing Balance 727 574 2,669 2,618 1,205 6,738 14,404 less: Other Bank Balance 2 2 1 156 23 23 23	Others	0	0	-5,407	-3,774	-5,609	0	0
Opening Balance 495 725 571 2,668 2,461 1,182 6,715 Closing Balance 727 574 2,669 2,618 1,205 6,738 14,404 less: Other Bank Balance 2 2 1 156 23 23 23		-2,469	-2,664	1,165	-2,692	-5,270	6,876	-1,649
Closing Balance 727 574 2,669 2,618 1,205 6,738 14,404 less: Other Bank Balance 2 2 1 156 23 23 23		233	-152	2,098		-1,256	5,556	7,689
less: Other Bank Balance 2 2 1 156 23 23 23	Opening Balance	495	725	571	2,668	2,461	1,182	6,715
	Closing Balance	727	574	2,669	2,618	1,205	6,738	14,404
Not Clasing Polemes	less: Other Bank Balance	2	2	1	156	23	23	23
Net Closing Balance /25 5/1 2,668 2,461 1,182 6,715 14,381	Net Closing Balance	725	571	2,668	2,461	1,182	6,715	14,381

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

Regional Disclosures (outside India)

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

For Hong Kong:

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

For U.S.

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

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

For Singapore

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

Specific Disclosures

- 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
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- 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.
- 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.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

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

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-71881085.

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; Research Analyst: INH000000412. AMFI: ARN.: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products. Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.