

Asian Paints

BSE SENSEX S&P CNX 55,398 16,521

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





Bloomberg	APNT IN
Equity Shares (m)	959
M.Cap.(INRb)/(USDb)	2944.1 / 36.8
52-Week Range (INR)	3588 / 2560
1, 6, 12 Rel. Per (%)	9/-1/-10
12M Avg Val (INR M)	4238

Financials & Valuations (INR b)

Y/E March	2022	2023E	2024E
Sales	291.0	349.2	384.8
Sales Gr. (%)	34.0	20.0	10.2
EBITDA	48.0	66.3	77.7
EBIT Margin (%)	16.5	19.0	20.2
Adj. PAT	32.0	46.0	54.4
Adj. EPS (INR)	33.4	47.9	56.7
EPS Gr. (%)	-0.2	43.7	18.3
BV/Sh.(INR)	144.0	158.9	171.8
Ratios			
RoE (%)	24.0	31.7	34.3
RoCE (%)	21.0	27.5	29.9
Payout (%)	57.4	75.1	77.6
Valuation			
P/E (x)	92.0	64.0	54.1
P/BV (x)	21.3	19.3	17.9
EV/EBITDA (x)	60.6	43.4	36.9
Div. Yield (%)	0.6	1.2	1.4

Shareholding pattern (%)

As On	Mar-22	Dec-21	Mar-21
Promoter	52.6	52.6	52.8
DII	7.6	7.2	7.4
FII	19.5	20.5	20.4
Others	20.3	19.7	19.5

FII Includes depository receipts

CMP: INR3,069 TP: INR2,840 (-7%) Neutral

Better mix to offset material cost pressures in the near term

We spoke to a cross-section of APNT's channel partners across Tier I/II/III cities. However, the sample size of our channel checks is limited and our findings may differ from broader demand trends. Some of the key highlights are as follows:

- Demand is better in urban cities than smaller towns and rural areas, especially after the steep price increases. Slower sales growth in Putty and the continued premiumization trend, after the lifting of COVID-related restrictions, augurs well for near-term margin and consequently our forecasts do not feature a material sequential decline in operating margin in 1HFY23, despite elevated titanium dioxide (TiO2) and crude oil prices.
- There has been a slowdown in the demand momentum in the last few weeks, starting from the latter part of Jun'22 a usual phenomenon during the monsoons. In some pockets though, the slowdown is more marked than usual and needs to be monitored.
- There has been a strong demand recovery in Automotive and Industrial Paints in recent months.

Rising competition poses a risk to medium-term earnings and multiples

- In the near term, we expect APNT to deliver double-digit growth and margin expansion on account of a better mix, even though crude oil and TiO2 prices remain elevated as highlighted in our recent <u>commodity</u> costs note.
- We expect double-digit growth for the industry in the medium to long term, aided by:
 - ➤ A revival in Real Estate demand, leading to healthy growth in the Decorative Paints segment;
 - Increase in Industrial demand over the medium term, with various manufacturing capacities coming up; and
 - > Greater demand from the Automotive sector.
- We also expect overall industry capacity to increase with the entry and sizeable capex plans of new players. With the entry of new players with deep pockets, the overall industry may see a paradigm shift in demand and margin structure due to the heightened competition. We remain cautious as the sector may not enjoy the high multiples of the past.
- APNT has delivered an earnings CAGR of 11.6% over the past five years (FY17-22), while the stock price has delivered 24.1% CAGR, implying a significant re-rating. We have assumed FY24 gross/EBITDA margin at the top end of the management's guidance of 41-42%/18-20%. While we expect RoE to improve, it will still be lower than the 30-40% recorded in the first half of the decade gone by. At 54.1x FY24E P/E, the stock remains expensive. We maintain our **Neutral** rating.

Krishnan Sambamoorthy - Research analyst (Krishnan.Sambamoorthy@MotilalOswal.com)

Research analyst: Kaiwan Jal Olia (Kaiwan.O@MotilalOswal.com) / Aditya Kasat (Aditya.Kasat@MotilalOswal.com)

MOTILAL OSWAL

Better performance by urban cities v/s rural areas

Tier I cities

- The growth momentum remained robust from Apr'22 to mid-Jun'22. After mid-Jun'22, the market turned soft due to the arrival of monsoon (this is a normal phenomenon at this time of the year). APNT is experiencing good demand on the Industrial front.
- Price hikes are negatively impacting demand in a few pockets. Few customers are delaying their purchase, with some opting for lower price-point products. After the lifting of COVID-related lockdown restrictions, there is a shift in customer preference towards the Premium category over Economy.
- Inventory level in the system remains at optimum levels. As the monsoon has started, dealers aren't stocking up on inventory over optimum levels.
- There was some supply-chain issues at the start of CY22. However, the same has been sorted since the past three months.
- Putties saw a decline in price by ~INR100/40kg in Jun'22. Waterproofing putties are not doing well.

Tier II cities

- Overall demand improved slightly YoY. However, most of this growth is attributable to value-led growth. Sales in the Premium segment have increased as compared to pre-COVID levels.
- With new players entering the market in recent years, the competitive intensity has increased. However, new players are currently benefiting at the expense of the unorganized sector. APNT has not lost market share.
- The Putty market is seeing good demand. Interior putties are doing well. However, demand for waterproofing putties remains dampened.
- Prices have increased by INR4-5/liter every month over the past three months.
- As Real Estate prices continue to rise, there is a good demand from old complexes for re-painting of buildings. The re-painting cycle generally ranges from three-to-five years.

Tier III cities

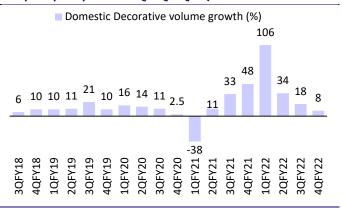
- Decorative Paints are doing better as compared to last year. It is purely led by value growth. However, volumes aren't picking up.
- Demand is negatively impacted from the onset of the monsoon. However, demand in the current monsoon is lower than that recorded in the general monsoon season.
- Price hikes have been in a similar range as compared to Tier I and II cities.
- Some downtrading is being seen due to higher prices.
- Competitive intensity has increased, with other brands offering higher rebates to dealers and tokens to painters.

Story in charts

Exhibit 1: APNT raises prices by ~24% (on an aggregate basis) for the 12-months ended Mar'22

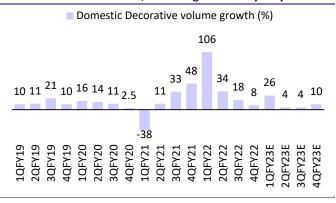
Source: Company, MOFSL

Exhibit 2: Three-year average volume growth stood at 28%/20%/21%/20% in 1Q/2Q/3Q/4QFY22



Source: Company, MOFSL

Exhibit 3: Expect 26% volume growth in 1Q on a low base. For the remainder of FY23, volume growth may stay low



Source: Company, MOFSL

Exhibit 4: Do not expect much impact on EBITDA margin owing to an improving mix

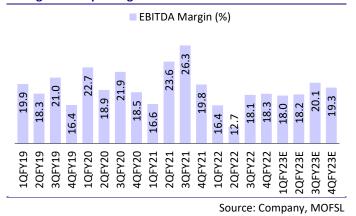
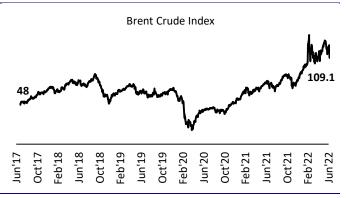
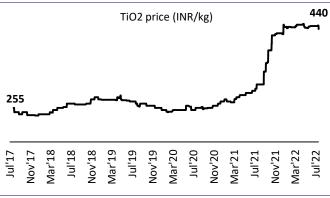


Exhibit 5: Brent crude oil prices up 64.4% YoY and 13.4% QoQ in 1QFY23



Source: Company, MOFSL

Exhibit 6: TiO2 prices rose 54.9% YoY (flat QoQ) in 1QFY23



Source: Company, MOFSL

Exhibit 7: Estimated capacities for various players in the industry

Company	Estimated current capacity (KLPA)	Remarks
Asian Paints	2,330,000 (1,730,000 + 600,000	❖ 11 owned manufacturing facilities
Berger	outsourced) ~700,000	
Kansai Nerolac	5,83,000	
Akzo Nobel	~200,000	
Indigo Paints	101,000 (liquid paint)	❖ Capacity in Rajasthan, Kerala, and Tamil Nadu
JSW Paints	1,25,000	
Grasim	1,332,000 (to come up by FY24)	Outlay of INR100b for setting up the business

Source: MOFSL, Company

Valuation and view

APNT has been a wealth creator in the past decade

- Despite having an already sizeable sales base of ~INR67b in FY10, APNT reported a healthy (12-13%) sales/EBITDA/PAT CAGR for the decade ended FY20.
- A widening dealer network and an increased thrust in non-metro cities led to a faster shift from the unorganized Paints business, which still constitutes ~30% of the market.
- Categories such as 'Putty' and 'Waterproofing' have been new growth engines.

Valuation and view

Source: Bloomberg, Company, MOFSL

- We have assumed margin in FY24 at the top end of the management's stated gross/EBITDA margin threshold of 41-42%/18-20%.
- APNT has delivered 11.6% earnings CAGR over the past five (FY17-22) years, while the stock price has delivered 24.1% CAGR over the same period, implying significant re-rating. While we expect RoE to improve, it will still be lower as compared to the 30-40% recorded in the first half of the past decade. While its demand outlook is better than FMCG peers, valuations at 54.1x FY24E P/E are expensive, despite the high price increases. We maintain our **Neutral** rating.

Exhibit 8: P/E ratio (x) for APNT

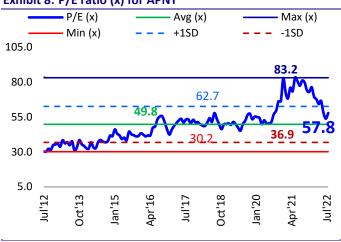
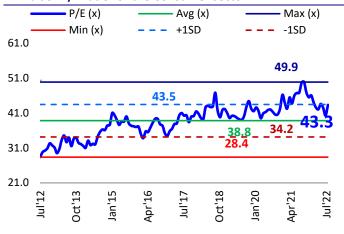


Exhibit 9: P/E ratio for the Consumer sector



Source: Bloomberg, Company, MOFSL

Financials and valuations

Consolidated Income Statement	F1/4.0	EV4.0	EVOO	FV24	E)/22	EVANE	(INR b)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Net Sales	168.2	192.4	202.1	217.1	291.0	349.2	384.8
Change (%)	11.7	14.4	5.0	7.4	34.0	20.0	10.2
Raw Materials	96.9	112.6	113.8	121.0	183.0	209.6	223.3
Gross Profit	71.3	79.8	88.3	96.2	108.0	139.6	161.5
Margin (%)	42.4 39.4	41.5 42.1	43.7 46.7	44.3 47.6	37.1	40.0 73.3	42.0
Operating Expenses					60.0		83.8
EBITDA Change (%)	32.0 7.1	37.7 17.8	41.6 10.5	48.6 16.7	48.0 -1.1	66.3 38.0	77.7
Change (%)	19.0		20.6	22.4	16.5	19.0	17.2
Margin (%)		19.6					20.2
Depreciation Change	3.6	6.2	7.8	7.9	8.2	8.6	9.0
Int. and Fin. Charges	0.4	1.1	1.0	0.9	1.0	1.2	1.2
Other Income	2.2	2.3	3.0	3.0	3.8	4.3	4.6
Profit before Taxes	30.2	32.7	35.8	42.8	42.7	60.9	72.1
Change (%)	4.8	8.2	9.5	19.3	-0.1	42.5	18.4
Margin (%)	18.0	17.0	17.7	19.7	14.7	17.4	18.7
Tax	10.4	9.4	9.5	11.2	11.6	15.3	18.2
Deferred Tax	0.0	1.6	-1.0	-0.2	-0.6	0.0	0.0
Tax Rate (%)	34.4	33.6	23.9	25.7	25.8	25.2	25.2
PAT Before Minority	19.8	21.7	27.3	31.8	31.7	45.5	53.9
Minority Interest	-0.5	-0.4	-0.5	-0.3	-0.3	-0.5	-0.5
Adjusted PAT	20.3	22.1	27.8	32.1	32.0	46.0	54.4
Change (%)	1.9	9.2	25.5	15.4	-0.2	43.7	18.3
Margin (%)	12.1	11.5	13.8	14.8	11.0	13.2	14.1
Reported PAT	20.3	22.1	27.7	32.1	30.8	46.0	54.4
Balance Sheet							(INR b)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Share Capital	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Reserves	83.1	93.7	100.3	127.1	137.2	151.5	163.8
Net Worth	84.1	94.7	100.3	128.1	137.2	151.5 152.4	164.8
Loans	5.3	6.2	3.4	3.4	7.8	7.8	7.8
Other Liability	4.0	12.1	12.0	11.5	11.4	11.7	13.0
Minority Interest	3.3	3.6	4.0	4.2	3.9	4.3	4.8
Capital Employed	96.7	116.6	120.7	147.2	161.1	176.2	190.3
Capital Employed	30.7	110.0	120.7	147.2	101.1	170.2	190.5
Gross Block	43.8	67.0	69.9	71.9	76.7	79.7	83.7
Less: Accum. Depn.	9.7	13.9	19.6	24.8	33.0	41.6	50.6
Net Fixed Assets	34.0	53.0	50.3	47.1	43.7	38.1	33.1
Capital WIP	14.1	2.1	1.4	1.8	4.3	4.3	4.3
Right to Use Assets	0.0	8.7	9.2	8.5	9.1	9.1	9.1
Investments	21.4	25.7	20.2	47.4	32.5	48.7	58.5
Current	10.6	11.7	5.1	32.7	21.8	32.7	34.5
Non-current	10.8	13.9	15.1	14.7	10.7	16.0	24.0
Curr. Assets, L&A	64.9	69.7	77.1	95.8	137.7	157.2	171.2
Inventory	26.6	31.5	33.9	38.0	61.5	58.4	63.3
Account Receivables	17.4	19.1	18.0	26.1	38.7	42.1	46.4
Cash and Bank Balance	4.0	4.4	7.8	6.1	8.6	24.9	24.8
Others	16.9	14.7	17.3	25.6	28.7	31.8	36.8
Curr. Liab. and Prov.	40.9	45.9	40.7	56.3	68.5	74.5	79.1
Account Payables	21.6	23.9	21.4	33.8	41.6	45.9	48.9
		19.6	16.9	19.5	24.0	24.7	25.9
Other Liabilities	1/7			10.0			25.5
Other Liabilities Provisions	17.3 2.0			3.0	29	3 9	43
Provisions	2.0	2.3	2.4	3.0 39.4	2.9 69.2	3.9 82.7	4.3 92 .1
Provisions Net Current Assets	2.0 23.9	2.3 23.9	2.4 36.4	39.4	69.2	82.7	92.1
Provisions	2.0	2.3	2.4				

E: MOFSL estimates

Financials and valuations

Ratios							
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E
Basic (INR)							
EPS	21.1	23.1	29.0	33.4	33.4	47.9	56.7
Cash EPS	24.9	29.6	37.1	41.7	41.9	56.9	66.1
BV/Share	87.7	98.7	105.6	133.5	144.0	158.9	171.8
DPS	12.4	10.7	21.8	4.9	19.2	36.0	44.0
Payout (%)	58.6	46.4	75.3	14.5	57.4	75.1	77.6
Valuation (x)							
P/E ratio	145.2	133.0	105.9	91.8	92.0	64.0	54.1
Cash P/E ratio	123.3	103.8	82.7	73.6	73.3	53.9	46.5
EV/Sales ratio	17.4	15.2	14.4	13.3	10.0	8.2	7.5
EV/EBITDA ratio	91.4	77.5	70.1	59.6	60.6	43.4	36.9
P/BV ratio	35.0	31.1	29.1	23.0	21.3	19.3	17.9
Dividend Yield (%)	0.4	0.3	0.7	0.2	0.6	1.2	1.4
Return Ratios (%)							
RoE	25.3	24.8	28.4	28.0	24.0	31.7	34.3
RoCE	21.6	21.0	23.6	24.2	21.0	27.5	29.9
RoIC	23.7	22.1	23.2	24.1	20.6	29.2	33.3
Working Capital Ratios	23.7	22.1	23.2	24.1	20.0	25.2	33.3
Debtor (Days)	38	36	32	44	49	44	44
Asset Turnover (x)	1.7	1.6	1.7	1.5	1.8	2.0	2.0
7.0000 7.01110 7.01 (7.)					2.0		
Leverage Ratio							
Leverage Ratio Debt/Equity (x)	0.1	0.1	0.0	0.0	0.1	0.1	0.0
Debt/Equity (x)	0.1	0.1	0.0	0.0	0.1		
Debt/Equity (x) Cash Flow Statement						(INR b)	(INR b)
Cash Flow Statement Y/E March	FY18	FY19	FY20	FY21	FY22	(INR b) FY23E	(INR b) FY24E
Cash Flow Statement Y/E March OP/(loss) before Tax	FY18 31.4	FY19 33.1	FY20 36.3	FY21 43.0	FY22 41.9	(INR b) FY23E 60.9	(INR b) FY24E 72.1
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation	FY18 31.4 3.6	FY19 33.1 4.3	FY20 36.3 7.8	FY21 43.0 7.9	FY22 41.9 8.2	(INR b) FY23E 60.9 8.6	(INR b) FY24E 72.1 9.0
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest	FY18 31.4 3.6 -0.4	FY19 33.1 4.3 -0.3	FY20 36.3 7.8 0.1	FY21 43.0 7.9 0.2	FY22 41.9 8.2 -0.1	(INR b) FY23E 60.9 8.6 -3.2	(INR b) FY24E 72.1 9.0 -3.4
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others	FY18 31.4 3.6 -0.4 -1.8	FY19 33.1 4.3 -0.3 -0.9	FY20 36.3 7.8 0.1 -0.4	FY21 43.0 7.9 0.2 -1.4	FY22 41.9 8.2 -0.1 -0.3	(INR b) FY23E 60.9 8.6 -3.2 0.0	(INR b) FY24E 72.1 9.0 -3.4 0.0
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid	FY18 31.4 3.6 -0.4 -1.8 -10.8	FY19 33.1 4.3 -0.3 -0.9 -9.8	FY20 36.3 7.8 0.1 -0.4 -10.1	FY21 43.0 7.9 0.2 -1.4 -10.8	FY22 41.9 8.2 -0.1 -0.3 -11.8	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (lncr)/Decr in WC	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid	FY18 31.4 3.6 -0.4 -1.8 -10.8	FY19 33.1 4.3 -0.3 -0.9 -9.8	FY20 36.3 7.8 0.1 -0.4 -10.1	FY21 43.0 7.9 0.2 -1.4 -10.8	FY22 41.9 8.2 -0.1 -0.3 -11.8	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (lncr)/Decr in WC	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1
Debt/Equity (x) Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others CF from Invest.	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others CF from Invest.	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9 0.6 -10.5	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7 -2.6 -21.2	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1 0.3 -5.0	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6 0.0 -42.2
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others CF from Invest. Incr in Debt Dividend Paid	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3 -0.4 -12.2 -0.4	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9 0.6 -10.5 -0.5	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7 -2.6 -21.2 -1.0	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3 0.0 -34.5 3.2	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6 0.0 -42.2 3.4
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others CF from Invest. Incr in Debt Dividend Paid Net interest Paid	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9 0.6 -10.5	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7 -2.6 -21.2	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1 0.3 -5.0 -0.9	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7 3.2 -17.6 -0.9	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3 0.0 -34.5	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6 0.0 -42.2 3.4 -2.8
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others CF from Invest. Incr in Debt Dividend Paid Net interest Paid Others CF from Fin. Activity	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3 -0.4 -12.2 -0.4 -0.8 -13.8	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9 0.6 -10.5 -0.5 1.5 -8.8	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7 -2.6 -21.2 -1.0 0.2 -24.7	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1 0.3 -5.0 -0.9 -0.9 -6.5	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7 3.2 -17.6 -0.9 -2.8 -18.1	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3 0.0 -34.5 3.2 -2.8 -34.1	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6 0.0 -42.2 3.4 -2.8 -41.6
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others CF from Invest. Incr in Debt Dividend Paid Net interest Paid Others CF from Fin. Activity Incr/Decr of Cash	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3 -0.4 -12.2 -0.4 -0.8 -13.8	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9 0.6 -10.5 -0.5 1.5 -8.8	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7 -2.6 -21.2 -1.0 0.2 -24.7	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1 0.3 -5.0 -0.9 -0.9 -6.5	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7 3.2 -17.6 -0.9 -2.8 -18.1	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3 0.0 -34.5 3.2 -2.8 -34.1	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6 0.0 -42.2 3.4 -2.8 -41.6
Cash Flow Statement Y/E March OP/(loss) before Tax Depreciation Net interest Others Direct Taxes Paid (Incr)/Decr in WC CF from Operations Incr in FA Free Cash Flow Pur of Investments Others CF from Invest. Incr in Debt Dividend Paid Net interest Paid Others CF from Fin. Activity	FY18 31.4 3.6 -0.4 -1.8 -10.8 -0.8 21.1 -14.1 7.0 0.4 2.4 -11.3 -0.4 -12.2 -0.4 -0.8 -13.8	FY19 33.1 4.3 -0.3 -0.9 -9.8 -4.3 22.1 -11.3 10.8 1.6 -3.2 -12.9 0.6 -10.5 -0.5 1.5 -8.8	FY20 36.3 7.8 0.1 -0.4 -10.1 -7.4 26.3 -3.7 22.6 -2.5 7.9 1.7 -2.6 -21.2 -1.0 0.2 -24.7	FY21 43.0 7.9 0.2 -1.4 -10.8 -2.1 36.8 -2.5 34.3 -3.7 -25.8 -32.1 0.3 -5.0 -0.9 -0.9 -6.5	FY22 41.9 8.2 -0.1 -0.3 -11.8 -28.0 9.9 -5.0 4.9 1.0 14.8 10.7 3.2 -17.6 -0.9 -2.8 -18.1	(INR b) FY23E 60.9 8.6 -3.2 0.0 -15.3 2.7 53.7 -3.0 50.7 -16.2 15.9 -3.3 0.0 -34.5 3.2 -2.8 -34.1	(INR b) FY24E 72.1 9.0 -3.4 0.0 -18.2 -9.5 50.1 -4.0 46.1 -9.7 5.2 -8.6

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.

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.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.

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.

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

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

21 July 2022

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 directled or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 71934200/ 022-71934263; Website www.motilaloswal.com.CIN no.: L67190MH2005PLC153397.Correspondence Office Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad(West), Mumbai-400 064. Tel No: 022 7188 1000.

Registration Nos.: Motilal Oswal Financial Services Limited (MOFSL)*: INZ000158836(BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412. AMFI: ARN - 146822; Investment Adviser: INA000007100; Insurance Corporate Agent: CA0579;PMS:INP000006712. Motilal Oswal Asset Management Company Ltd. (MOAMC): PMS (Registration No.: INP000000670); PMS and Mutual Funds are offered through MOAMC which is group company of MOFSL. Motilal Oswal Financial Services Limited is a distributor of Mutual Funds, PMS, Fixed Deposit, Bond, NCDs,Insurance Products and IPOs.Real Estate is offered through Motilal Oswal Real Estate Investment Advisors II Pvt. Ltd. which is a group company of MOFSL. Private Equity is offered through Motilal Oswal Private Equity Investment Advisors Pvt. Ltd which is a group company of MOFSL. Research & Advisory services is backed by proper research. Please read the Risk Disclosure Document prescribed by the Stock Exchanges carefully before investing. There is no assurance or guarantee of the returns. Investment in securities market is subject to market risk, read all the related documents carefully before investing. Details of Compliance Officer: Name: Neeraj Agarwal, Email ID: na@motilaloswal.com, Contact No.:022-71881085.

* MOSL has been amalgamated with Motilal Oswal Financial Services Limited (MOFSL) w.e.f August 21, 2018 pursuant to order dated July 30, 2018 issued by Hon'ble National Company Law Tribunal, Mumbai Bench.