

**BSE SENSEX S&P CNX** 73,872 22,406

# **TATA** MOTORS

### **Stock Info**

Bloomberg	TTMT IN
Equity Shares (m)	3598
M.Cap.(INRb)/(USDb)	3616.5 / 43.6
52-Week Range (INR)	996 / 400
1, 6, 12 Rel. Per (%)	10/47/103
12M Avg Val (INR M)	7574
Free float (%)	53.6

### Financials Snapshot (INR b)

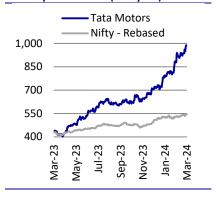
Tillariciais silap	mor (men	~1	
Y/E March	2024E	2025E	2026E
Net Sales	4,375	4,719	5,077
EBITDA	595.1	677.6	753.1
Adj. PAT	202.7	229.0	265.7
Adj. EPS (INR)	52.9	62.3	72.3
EPS Gr. (%)	2,360	18	16
BV/Sh. (INR)	166.5	231.4	299.5
Ratios			
Net D/E (x)	0.3	0.1	-0.1
RoE (%)	37.2	30.8	27.2
RoCE (%)	15.6	15.6	15.7
Payout (%)	5.7	6.7	5.8
Valuations			
P/E (x)	18.7	15.9	13.7
P/BV (x)	5.9	4.3	3.3
EV/EBITDA (x)	6.8	5.4	4.5
Div. Yield (%)	0.3	0.4	0.4

### Shareholding pattern (%)

As On	Dec-23	Sep-23	Dec-22
Promoter	46.4	46.4	46.4
DII	17.4	17.5	15.4
FII	18.6	18.4	18.2
Others	17.6	17.0	20.1

FII Includes depository receipts

### Stock's performance (one-year)



## **Tata Motors**

CMP: INR988 TP: INR1,000 (+1%) Downgrade to Neutral

## Positives seem fully priced in

Demerger into two separate entities seems to be a step in right direction

Tata Motors (TTMT) has announced the demerger of its business verticals into two separate listed companies (click here for the press release), which will house: 1) the commercial vehicle (CV) business and its related investments in one entity; and 2) the passenger vehicle (PV) business, including PVs, EVs, JLR, and related investments in another entity. While the demerger seems to be a step in the right direction, we do not foresee any need to revisit our target price, which is already based on SoTP valuation. Moreover, despite factoring in most of the positive triggers in our estimates, we get limited upside given the recent sharp run-up in the stock. We, hence, downgrade TTMT to Neutral (from BUY) with an unchanged TP of INR1,000 per share.

### Key highlights of business demerger

- The board has approved the proposal to demerge Tata Motors into two separate listed companies housing: 1) the CV business and its related investments in one entity, and 2) the PV businesses, including PVs, EVs, JLR, and related investments in another entity.
- The demerger will be implemented through an NCLT scheme of arrangement and all shareholders of TTMT shall continue to have identical shareholdings in both listed entities.
- The proposal will be placed before the TTMT board for approval in the coming months and will be subject to necessary approvals, which could take further 12-15 months to complete.
- This step will certainly help TTMT simplify its business structure.
- While the business demerger seems to be a step in the right direction, we do not foresee any need to revisit our TP, which is already based on SoTP valuation.

### Our estimates factor in most of the positive triggers now

- India PV business: We factor in 8.5% volume growth in FY25E/FY26E each after 4.5% growth in FY24E vs. management/industry growth guidance of low single digits in FY25. We also factor in 100bp margin expansion over FY24-26E to 7.8%.
- India CV business: We factor in 6% volume growth in FY25E/FY26E each after 1% volume decline in FY24E vs. management/industry growth guidance of near-term weakness in FY25. We also factor in 100bp margin expansion over FY24-26E to 11.5%.
- JLR: We factor in 7% volume growth in FY25E/FY26E each after 25% volume growth in FY24E, compared to the weakness in global PV demand in key developed markets in 2024. We also factor in 150bp margin expansion over FY24-26E to 17.4%.
- We also expect the consolidated entity to become net cash by FY26E.

Aniket Mhatre – Research analyst (Aniket.Mhatre@MotilalOswal.com)

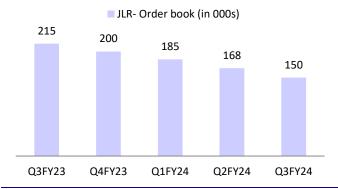
Research analyst: Amber Shukla (Amber.Shukla@MotilalOswal.com) | Aniket Desai (Aniket.Desai@MotilalOswal.com)

### Valuation and view

On the back of a strong performance across its key business segments, the stock has significantly outperformed key indices with 204% return in the last 36 months vs. ~50% return in the Nifty. Also, as highlighted above, we have already factored in most of the positive triggers in our estimates. While the business demerger seems to be a step in the right direction, we do not foresee any need to revisit our TP, which is already based on SoTP valuation. Given limited upside after the recent sharp run-up in the stock, we downgrade TTMT to Neutral (from BUY) with an unchanged TP of INR1,000 per share.

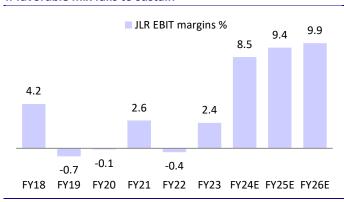
### What is factored in the price?

Exhibit 1: JLR's order backlog has been declining each quarter as supply chain normalizes



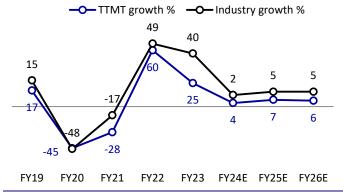
Source: Company, MOFSL

Exhibit 2: Our JLR EBIT margin assumptions could be at risk if favorable mix fails to sustain



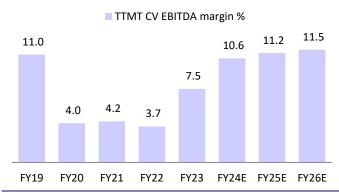
Source: Company, MOFSL

Exhibit 3: We expect TTMT MHCV volume growth to outperform the industry growth by 100-200bp



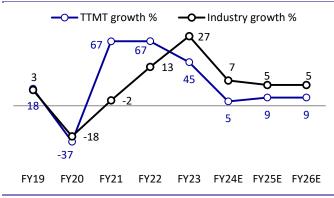
Source: Company, MOFSL

Exhibit 4: TTMT's CV margin estimate may face downside risk if CV cycle fails to revive on expected lines



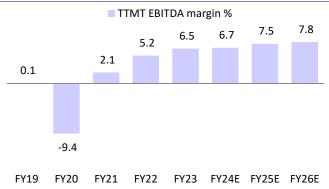
Source: Company, MOFSL

Exhibit 5: TTMT's PV volume growth is expected to outperform the industry growth by 200-400bp



Source: Company, MOFSL

Exhibit 6: TTMT's PV business EBITDA margin may be at risk if input costs start rising again



Source: Company, MOFSL

Exhibit 7: Healthy operating performance to drive healthy FCF generation over FY24-26E

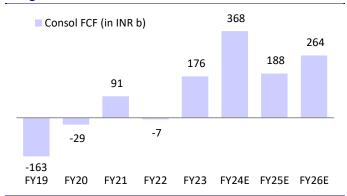
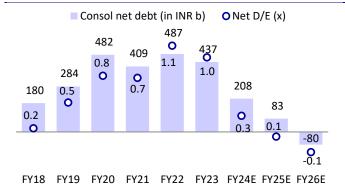


Exhibit 8: We expect consol business to be net cash positive by FY26E



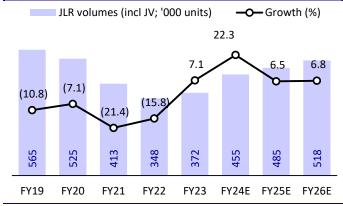
Source: Company, MOFSL Source: Company, MOFSL

Exhibit 9: TATA MOTORS: Sum-of-the-parts valuation

INR B	Valuation Parameter	Multiple (x)	FY24E	FY25E	FY26E
Tata Motors - Standalone	SOTP		1,512	1,775	1,999
CVs	EV/EBITDA	11	989	1,129	1,255
PVs	EV/EBITDA	15	524	645	744
JLR (Adj for R&D capitalization)	EV/EBITDA	2.5	1,032	1,173	1,306
JLR - Chery JV EBITDA Share	EV/EBITDA	2.5	30	34	37
Tata Motors Finance	P/BV	1.5	64	66	68
Total EV			2,638	3,048	3,411
Less: Net Debt (Ex TMFL)			208	83	-80
Add: TataTech @ INR435b Mcap	20% discount	53.39% stake	186	186	186
Total Equity Value			2,616	3,151	3,677
Fair Value (INR/Sh) - Ord Sh	Fully Diluted		683	857	1,000

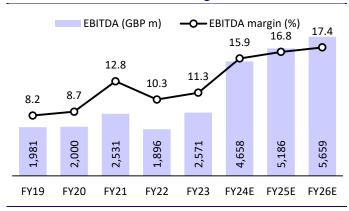
### **Story in charts**

**Exhibit 10: Volume growth trajectory for JLR** 



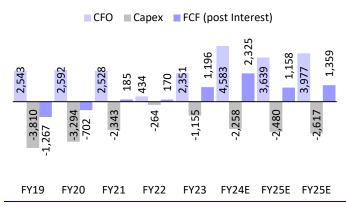
Source: Company, MOFSL

**Exhibit 11: EBITDA and EBITDA margin trends for JLR** 



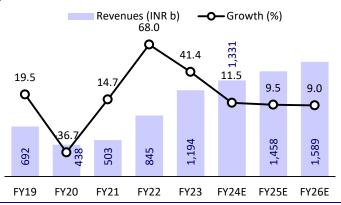
Source: Company, MOFSL

Exhibit 12: CFO/capex/FCF trends for JLR (GBP m)



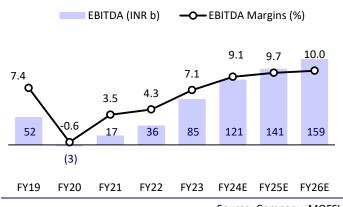
Source: Company, MOFSL

Exhibit 13: India business growth trajectory over FY22-25E



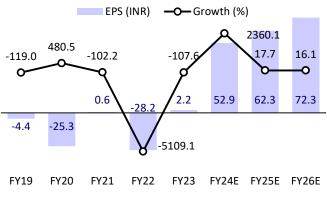
Source: Company, MOFSL

**Exhibit 14: India EBITDA and margin trends** 



Source: Company, MOFSL

**Exhibit 15: Consolidated earnings trajectory** 



Source: Company, MOFSL

MOTILAL OSWAL

# **Key operating metrics**

**Snapshot of Revenue model** 

000 units	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
JLR									
Jaguar	176	177	144	90	68	63	69	72	76
Growth (%)	-1.4	0.7	-18.7	-37.3	-24.4	-7.9	10.1	3.6	5.7
% of Total JLR Vols	27.8	31.4	27.5	21.9	19.7	16.9	15.2	14.8	14.7
Land Rover	457	388	381	322	279	309	386	413	442
Growth (%)	8.3	-15.2	-1.7	-15.4	-13.4	10.7	24.7	7.0	7.0
% of Total JLR Vols	72.2	68.6	72.5	78.1	80.3	83.1	84.8	<i>85.2</i>	85.3
Total JLR Volumes (incl JV)	634	565	525	413	348	372	455	485	518
Growth (%)	5.4	-10.8	-7.1	-21.4	-15.8	7.1	22.3	6.5	6.8
ASP (GBP '000/unit)	47	48	48	57	62	71	73	72	71
Growth (%)	3.9	0.8	1.3	17.5	9.7	14.0	2.5	-1.0	-1.5
Net JLR Sales (GBP b)	26	24	23	20	18	23	29	31	32
Growth (%)	5.9	-6.1	-5.1	-14.2	-7.2	24.5	28.3	5.5	5.3
INDIA									
MH&CVs	192	225	124	90	145	181	188	201	213
Growth (%)	9.2	17.1	-44.7	-27.6	60.3	25.1	3.7	7.1	6.2
LCVs	236	273	216	173	210	233	217	229	241
Growth (%)	24.1	15.7	-20.8	-20.2	21.4	11.1	-6.7	5.3	5.3
Total CVs	428	498	341	263	354	414	405	430	454
Growth (%)	17.0	16.3	-31.6	-22.9	34.7	16.8	-2.1	6.1	5.7
Total PVs	190	211	133	223	372	541	566	614	667
Growth (%)	20.8	11.2	-37.3	67.8	67.2	45.4	4.6	8.5	8.6
Total Volumes	618	709	473	485	726	955	971	1,044	1,121
Growth (%)	18.1	14.7	-33.3	2.5	49.6	31.5	1.7	7.5	7.4
ASP (INR 000/unit)	936	976	<i>926</i>	1,036	1,163	1,251	1,371	1,397	1,417
Net S/A Sales (INR b)	579	692	438	503	845	1,194	1,331	1,458	1,589
Growth (%)	30.6	19.5	-36.7	14.7	68.0	41.4	11.5	9.5	9.0

MOTILAL OSWAL

## **Financials and valuations**

Y/E March         2019           Total Income         3,019.4           Change (%)         3.6           EBITDA         255.7           % of Net Sales         8.5           Depreciation         235.9           EBIT         19.8           Product Dev. Exp.         42.2           Interest         57.6           Other Income         29.7           EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1           PBT         -313.7	2020 2,610.7 -13.5 197.3 7.6 214.3 -17.0 41.9 72.4 29.7 28.7 -17.4 -105.8 -3.7	2021 2,497.9 -4.3 305.6 12.2 235.5 70.1 52.3 81.0 26.4 137.6 17.3 -104.7	2022 2,784.5 11.5 248.1 8.9 248.4 -0.2 92.1 93.3 30.5 6.3 -0.8	2023 3,459.7 24.2 318.3 9.2 248.6 69.7 106.6 102.4 46.3 -15.9	2024E 4,375.2 26.5 595.1 13.6 276.4 318.7 118.2 101.8 63.0 8.9	2025E 4,719.0 7.9 677.6 14.4 295.4 382.1 122.8 102.1 53.9 0.0	2026E 5,076.9 7.6 753.1 14.8 321.7 431.4 128.5 104.7 56.1
Change (%)       3.6         EBITDA       255.7         % of Net Sales       8.5         Depreciation       235.9         EBIT       19.8         Product Dev. Exp.       42.2         Interest       57.6         Other Income       29.7         EO Exp/(Inc)       296.5         Forex Gain/ (Loss)       -9.1	-13.5 197.3 7.6 214.3 -17.0 41.9 72.4 29.7 28.7 -17.4 -105.8 -3.7	-4.3 305.6 12.2 235.5 70.1 52.3 81.0 26.4 137.6 17.3 -104.7	11.5 248.1 8.9 248.4 -0.2 92.1 93.3 30.5 6.3 -0.8	24.2 318.3 9.2 248.6 69.7 106.6 102.4 46.3 -15.9	26.5 595.1 13.6 276.4 318.7 118.2 101.8 63.0 8.9	7.9 <b>677.6</b> 14.4 295.4 <b>382.1</b> 122.8 102.1 53.9	7.6 753.1 14.8 321.7 431.4 128.5 104.7 56.1
EBITDA         255.7           % of Net Sales         8.5           Depreciation         235.9           EBIT         19.8           Product Dev. Exp.         42.2           Interest         57.6           Other Income         29.7           EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1	197.3 7.6 214.3 -17.0 41.9 72.4 29.7 28.7 -17.4 -105.8 -3.7	305.6 12.2 235.5 70.1 52.3 81.0 26.4 137.6 17.3	248.1 8.9 248.4 -0.2 92.1 93.3 30.5 6.3 -0.8	318.3 9.2 248.6 69.7 106.6 102.4 46.3 -15.9	595.1 13.6 276.4 318.7 118.2 101.8 63.0 8.9	677.6 14.4 295.4 382.1 122.8 102.1 53.9	753.1 14.8 321.7 431.4 128.5 104.7 56.1
% of Net Sales       8.5         Depreciation       235.9         EBIT       19.8         Product Dev. Exp.       42.2         Interest       57.6         Other Income       29.7         EO Exp/(Inc)       296.5         Forex Gain/ (Loss)       -9.1	7.6 214.3 -17.0 41.9 72.4 29.7 28.7 -17.4 -105.8 -3.7	12.2 235.5 <b>70.1</b> 52.3 81.0 26.4 137.6 17.3	8.9 248.4 -0.2 92.1 93.3 30.5 6.3 -0.8	9.2 248.6 <b>69.7</b> 106.6 102.4 46.3 -15.9	13.6 276.4 <b>318.7</b> 118.2 101.8 63.0 8.9	14.4 295.4 <b>382.1</b> 122.8 102.1 53.9	14.8 321.7 <b>431.4</b> 128.5 104.7 56.1
Depreciation         235.9           EBIT         19.8           Product Dev. Exp.         42.2           Interest         57.6           Other Income         29.7           EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1	214.3 -17.0 41.9 72.4 29.7 28.7 -17.4 -105.8 -3.7	235.5 70.1 52.3 81.0 26.4 137.6 17.3 -104.7	248.4 -0.2 92.1 93.3 30.5 6.3 -0.8	248.6 <b>69.7</b> 106.6 102.4 46.3 -15.9	276.4 318.7 118.2 101.8 63.0 8.9	295.4 <b>382.1</b> 122.8 102.1 53.9	321.7 <b>431.4</b> 128.5 104.7 56.1
EBIT         19.8           Product Dev. Exp.         42.2           Interest         57.6           Other Income         29.7           EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1	-17.0 41.9 72.4 29.7 28.7 -17.4 -105.8 -3.7	70.1 52.3 81.0 26.4 137.6 17.3 -104.7	-0.2 92.1 93.3 30.5 6.3 -0.8	69.7 106.6 102.4 46.3 -15.9	318.7 118.2 101.8 63.0 8.9	382.1 122.8 102.1 53.9	<b>431.4</b> 128.5 104.7 56.1
Product Dev. Exp.         42.2           Interest         57.6           Other Income         29.7           EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1	41.9 72.4 29.7 28.7 -17.4 -105.8 -3.7	52.3 81.0 26.4 137.6 17.3 -104.7	92.1 93.3 30.5 6.3 -0.8	106.6 102.4 46.3 -15.9	118.2 101.8 63.0 8.9	122.8 102.1 53.9	128.5 104.7 56.1
Interest         57.6           Other Income         29.7           EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1	72.4 29.7 28.7 -17.4 -105.8 -3.7	81.0 26.4 137.6 17.3 -104.7	93.3 30.5 6.3 -0.8	102.4 46.3 -15.9	101.8 63.0 8.9	102.1 53.9	104.7 56.1
Other Income         29.7           EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1	29.7 28.7 -17.4 -105.8 -3.7	26.4 137.6 17.3 - <b>104.7</b>	30.5 6.3 -0.8	46.3 -15.9	63.0 8.9	53.9	56.1
EO Exp/(Inc)         296.5           Forex Gain/ (Loss)         -9.1	28.7 -17.4 -105.8 -3.7	137.6 17.3 -104.7	6.3 -0.8	-15.9	8.9		
Forex Gain/ (Loss) -9.1	-17.4 -105.8 -3.7	17.3 - <b>104.7</b>	-0.8			0.0	
	<b>-105.8</b> -3.7	-104.7		1.0	44.3		0.0
PBT -313.7	-3.7		-70 N		-11.2	-21.9	-22.2
			70.0	30.6	259.9	312.1	360.6
Effective Rate (%) 7.8	100.0	-24.3	-60.4	23.0	25.0	26.9	26.7
Reported PAT -289.3	-109.8	-130.2	-112.3	23.5	194.8	228.1	264.5
Change (%) -524.7	-62.1	18.6	-13.7	-120.9	727.9	17.0	16.0
Minority Interest -1.02	-0.96	-0.56	-1.3	-2.8	-3.4	-4.5	-5.1
Share of profit of associate 2.10	-10.00	-3.79	-0.7	3.4	4.5	5.4	6.4
Net Profit -288.3	-120.7	-134.5	-114.4	24.1	196.0	229.0	265.7
Adj. PAT -14.8	-90.9	2.2	-108.1	8.2	202.7	229.0	265.7
Change (%) -119.0	515.0	-102.4	-5,109.7	-107.6	2,360.1	13.0	16.1
Dalaman Chant (Cana)							(INID I-)
Balance Sheet (Cons.) Y/E March 2019	2020	2024	2022	2022	20245	20255	(INR b) 2026E
Y/E March 2019 Share Capital 6.8	<b>2020</b> 7.2	<b>2021</b> 7.7	<b>2022</b> 7.7	<b>2023</b> 7.7	<b>2024E</b> 7.7	<b>2025E</b> 7.4	7.4
Reserves 595.0	623.6	544.8	438.0	445.6	630.0	843.5	1,093.9
Net Worth 601.8	630.8	552.5	436.0	443.0 453.2	637.6	8 <b>50.9</b>	1,101.2
Loans 911.2	996.8	1,147.8	1,396.8	1,256.6	1,256.6	1,256.6	1,256.6
Deferred Tax -36.6	-35.2	-29.6	-23.1	-37.8	-37.8	-37.8	-37.8
	1,600.5	1,686.3	1,862.0	1,744.8	1,932.6	2,150.4	2,405.8
	2,698.0	3,128.9	3,232.9	3,413.4	3,615.1	3,949.8	4,302.0
	1,434.7	1,749.8	1,852.4	2,101.0	2,377.4	2,672.8	2,994.5
,	1,263.3	1,379.0	1,380.5	1,312.4	1,237.7	1,277.0	1,307.5
Capital WIP 318.8	356.2	209.6	102.5	142.7	250.0	250.0	250.0
Goodwill 7.5	7.8	8.0	8.1	8.4	8.4	8.4	8.4
Investments 157.7	163.1	246.2	293.8	263.8	54.7	60.1	66.6
	1,376.3	1,543.1	1,482.6	1,581.6	2,491.5	2,791.5	3,179.7
Inventory 390.1	374.6	360.9	352.4	407.6	599.3	646.4	695.5
Sundry Debtors 190.0	111.7	126.8	124.4	157.4	263.7	284.4	306.0
Cash & Bank Bal. 326.5	337.3	467.9	406.7	370.2	946.9	1,144.1	1,426.7
Loans & Advances 512.9	539.7	568.8	584.5	628.4	658.4	688.4	718.4
	1,566.1	1,699.7	1,405.5	1,564.1	2,109.7	2,236.7	2,406.3
Sundry Creditors 716.9	664.0	681.8	599.7	720.6	1,030.9	1,111.9	1,196.2
Other Liabilities 601.3	651.5	753.4	568.6	593.5	839.1	866.2	931.9
Net Current Assets -107.2	-189.8	-156.6	77.1	17.5	381.8	554.8	773.4
	1,600.5	1,686.3	1,862.0	1,744.8	1,932.6	2,150.4	2,405.8

## **Financials and valuations**

Y/E March	2019	2020	2021	2022	2023	2024E	2025E	2026E
Basic (INR)								
EPS	-4.4	-25.3	0.6	-28.2	2.2	52.9	62.3	72.3
EPS Fully Diluted	-4.4	-25.3	0.6	-28.2	2.2	52.9	62.3	72.3
EPS Growth (%)	-	-	-	-	-	-	17.7	16.1
Cash EPS	65.1	34.3	62.1	36.6	67.1	125.1	142.6	159.8
Book Value (Rs/Share)	177.2	175.3	144.3	116.4	118.3	166.5	231.4	299.5
DPS	0.0	0.0	0.0	0.0	2.0	3.0	4.2	4.2
Payout (Incl. Div. Tax) %	0.0	0.0	0.0	0.0	93.6	5.7	6.7	5.8
Valuation (x)								
Consolidated P/E	-226.7	-39.1	1,751.5	-35.0	459.0	18.7	15.9	13.7
EV/EBITDA	14.8	20.5	13.8	18.0	13.8	6.8	5.4	4.5
EV/Sales	1.3	1.6	1.7	1.6	1.3	0.9	0.8	0.7
Price to Book Value	5.6	5.6	6.8	8.5	8.3	5.9	4.3	3.3
Dividend Yield (%)	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.4
Profitability Ratios (%)								
RoE	-1.9	-14.8	0.4	-21.7	1.8	37.2	30.8	27.2
RoCE (Post-tax)	2.8	0.9	7.3	2.7	5.0	15.6	15.6	15.7
RoIC	2.5	-2.5	11.6	0.0	5.3	29.0	40.6	46.6
Turnover Ratios								
Debtors (Days)	23	16	19	16	17	22	22	22
Inventory (Days)	47	52	53	46	43	50	50	50
Creditors (Days)	87	93	100	79	76	86	86	86
Asset Turnover (x)	2.0	1.6	1.5	1.5	2.0	2.3	2.2	2.1
Leverage Ratio	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Net Auto Debt/Equity (x)	0.5	0.8	0.7	1.1	1.0	0.3	0.1	-0.1
Cash Flow Statement								(INR b)
Y/E March	2019	2020	2021	2022	2023	2024E	2025E	2026E
OP/(Loss) before Tax	-287.2	-119.8	-134.0	-113.1	26.9	196.0	229.0	265.7
Int/Div. Received	-4.4	-11.9	-5.1	-6.6	-13.0	63.0	53.9	56.1
Depreciation	235.9	214.3	235.5	248.4	248.6	276.4	295.4	321.7
Direct Taxes Paid	-26.6	-17.5	-21.0	-19.1	-31.8	-65.1	-84.0	-96.1
(Inc)/Dec in WC	-72.1	50.6	-0.9	-104.7	-31.3	212.4	24.2	64.1
Other Items	65.0	125.1	234.0	144.3	138.5	3.4	4.5	5.1
CF from Op Activity	-89.5	240.8	308.5	149.1	338.0	686.1	523.0	616.7
Extra-ordinary Items	278.4	25.5	-18.5	-6.3	15.9	-8.9	0.0	0.0
CF after EO Items	188.9	266.3	290.0	142.8	353.9	677.2	523.0	616.7
(Inc)/Dec in FA+CWIP	-352.4	-295.3	-198.5	-149.4	-178.1	-308.9	-334.7	-352.2
Free Cash Flow	-163.5	-29.0	91.5	-6.6	175.8	368.3	188.2	264.4
(Pur)/Sale of Invest.	143.6	-35.8	-58.2	104.9	23.9	209.1	-5.4	-6.4
CF from Inv Activity	-208.8	-331.1	-256.7	-44.4	-154.2	-99.8	-340.2	-358.6
Issue of Shares	0.0	38.9	26.0	37.7	37.7	0.0	-0.3	0.0
Inc/(Dec) in Debt	159.3	70.8	154.5	22.0	-205.4	0.0	0.0	0.0
Interest Paid	-70.1	-75.2	-81.2	-92.5	-93.4	-101.8	-102.1	-104.7
Dividends Paid	-0.9	-0.6	-0.3	-1.0	-1.4	-11.6	-15.4	-15.4
CF from Fin Activity	88.3	33.9	99.0	-33.8	-262.4	-113.3	-117.8	-120.2
Inc/(Dec) in Cash	68.4	-30.9	132.3	64.6	-62.7	464.0	65.0	137.9
Add: Beginning Bal.	147.2	215.6	184.7	317.0	381.6	318.9	782.9	848.0
al I - I	245.6	194.7	217.0	317.0	310.0	703.0	702.5	070.0

Closing Balance E: MOSL Estimates

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

317.0

381.6

318.9

782.9

848.0

985.8

184.7

215.6

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 be 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, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on <a href="https://www.motilaloswal.com">www.motilaloswal.com</a>. 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 (NCDLX) 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 <a href="http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf">http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf</a>
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

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 <a href="https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx">https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx</a>

A graph of daily closing prices of securities is available at <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com">www.nseindia.com</a>, <a href="www.nseindia.com</a>, <a href=

### 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 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. 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 of Singapore .Accordingly, if a Singapore person is not, or ceases to be, such an investor, they must immediately discontinue any use of this Report and inform MOCMSPL.

### Specific Disclosures

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

### The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company 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 errors and delays.

This report is meant for the clients of Motilal Oswal only.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263

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::022-40548085.

Grievance Redressal Cell:

One rance near cooking com		
Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; 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.