ICICI Securities – Retail Equity Research

CICI direc

CMP: ₹ 580 Target: ₹ 680 (17%) Target Period: 12 months

November 11, 2019

Better placed among OEM pack to tide downturn...

Mahindra & Mahindra (M&M) reported a relatively decent performance in Q2FY20. Standalone net sales for the quarter were at ₹ 11,076 crore (down 14.7% YoY), tracking automotive and tractor segment volume declines of 20.6% YoY & 8.0% YoY, respectively. Encouragingly, standalone EBITDA margins were unchanged QoQ at 12.6% (automotive EBIT margins down 70 bps to 4%, tractor EBIT margins unchanged at 19.3%). Consequent standalone PAT at ₹ 1,213 crore (down 26.5% YoY) was aided by a jump in other income (₹ 605 crore received as dividends).

Product profile augurs well for incremental market share gains!

M&M is uniquely positioned among Indian automakers wherein the company's PV and CV presence is tilted towards the faster growing segments within those industries, i.e. UV and LCV, respectively, (as of FY19, M&M's UV share in PV portfolio 92% vs. 27% for industry; LCV share in CV portfolio 95% vs. 60% for industry). By virtue of this product profile, M&M has been able to limit volume decline during the ongoing sharp slowdown in the domestic auto space (as of September 2019 on YTD basis, M&M PV domestic sales volumes down 14.3% YoY vs. 20%+ decline for most major peers; M&M CV volumes down 15.4% vs. 25%+ decline for major peers). This places M&M well in terms of gaining incremental market share.

Tractor segment to buffer automotive pains!

M&M is poised to realise the benefits of its diversified presence across the automotive and farm equipment segments. The domestic tractor industry is seen posting flattish to negative single digit growth in FY20E on the back of a high base courtesy ~50% rise in industry volumes in FY16-19, slowing farm incomes and inherent industry cyclicality. However, in the short-term, excellent monsoons and expected subsidy support from various state governments are seen aiding industry volumes in H2FY20E. M&M as the dominant player in the industry (~40% + domestic market share) would also benefit, with the segment supporting total company volumes while automotive sector drags. Going forward, we build in tractor sales volume of 3.09 lakh units in FY20E, down 7% YoY & 3.24 lakh units in FY21E.

Valuation & Outlook

We expect sales to grow at 2.5% CAGR for M&M in FY19-21E (with PAT seen declining to ~₹ 4,287 crore in FY21E). While M&M remains better placed among the OEM pack with regard to its product segments vis-à-vis industry prospects, absolute growth still remains a challenge. Valuations, however, offer comfort. We retain our **BUY** rating on the stock with a revised target price of ₹ 680/share wherein we value standalone operations at 6x EV/EBITDA (FY21E basis) and value its investments at 25% holdco discount.





Particulars	
Particular	Amount
Market Capitalization (₹ crore)	72,105.6
Total Debt (FY19, ₹ crore)	2,480.3
Cash and Investments (FY19, ₹ crore)	6,733.9
EV (FY19, ₹ crore)	67,852.0
52 week H/L (₹)	814 / 503
Equity capital (₹ crore) (FY19)	595.8
Face value (₹)	₹5

Key Highlights

- Sales decline of 14.7% YoY in Q2FY20 tracks 20.6%, 8% dip in automotive & tractor volumes, respectively
- Margins unchanged sequentially at 12.6%
- UV, LCV heavy product profile to help contain volume loss vis-à-vis industry on automotive side; relatively better prospects for tractor segment to help
- Healthy B/S, reasonable valuations, proactive approach towards EV remain further positives
- Maintain BUY with revised target price of ₹ 680 on SOTP basis

Research Analyst

Shashank Kanodia, CFA shashank.kanodia@icicisecurities.com

Jaimin Desai jaimin.desai@icicisecurities.com

Key Financial Summary						
Key Financials	FY17	FY18	FY19	FY20E	FY21E	CAGR (FY19-21E)
Net Sales	44,053.5	48,685.6	53,614.0	50,996.3	56,304.3	2.59
EBITDA	4,514.7	6,224.1	6,639.6	6,616.5	6,538.7	-0.89
EBITDA Margins (%)	10.2	12.8	12.4	13.0	11.6	
Net Profit	3,643.4	4,356.0	4,796.1	5,738.4	4,287.4	-5.5%
EPS (₹)	29.3	35.0	38.6	46.2	34.5	
P/E	19.8	16.6	15.0	12.6	16.8	
RoNW (%)	12.0	13.4	14.1	12.1	10.3	
RoCE (%)	14.7	17.3	17.3	14.7	13.2	

Source: ICICI Direct Research, Company

	Q2FY20	Q2FY20E	Q2FY19	YoY (%)	Q1FY20	QoQ (%)	Comments
Total Operating Income	11076.1	11260.3	12988.6	-14.7	12922.7	-14.3	Topline performance broadly in line with estimates, dragged by automotive segment
Raw Material Expenses	7677.1	7899	9256	-17.1	9159	-16.2	
Employee Expenses	718.8	704	742	-3	784	-8	
Other expenses	1289.2	1,295	1,386	-7.0	1,357	-5.0	
EBITDA	1391.0	1,362.6	1,605.0	-13.3	1,622.7	-14.3	
EBITDA Margin (%)	12.6	12.1	12.4	20 bps	12.6	0 bps	Margins surprise positively as the company realises better gross margins than anticipated (160 bps QoQ expansion). Negative operating leverage, however, neutralises the impact. Overall margins remain unchanged QoQ, a credible development
Other income	827.7	335.8	846.3	-2.2	319.1	159.4	
Depreciation	539.9	537	461	17.0	545	-1.0	
Interest	30.2	29	28	9	27	11	
Tax	436.0	351	447	-2.4	423	3.2	
PAT	1212.6	781	1649	-26.5	2314	-47.6	Comprehensive beat on profitability front on account of higher- than-expected margins and large dividend income received from related parties during quarter
EPS	9.8	6.3	12.4	-21.5	9.3	4.7	
Key Metrics							
Auto revenues (₹ crore)	7029.7	7,208	8,639	-18.6	8,101	-13.2	A 20.6% volume drop weighs on auto revenues for quarter
FES revenues (₹ crore)	3631.5	3,663	4,028	-9.8	4,382	-17.1	FES segment volumes dip 8% YoY
EBITDA margins (%)	12.6	12.1	12.4	20 bps	12.6	0 bps	

Source: Company, ICICI Direct Research

Exhibit 2: Change							
	FY20	Ē		FY2	1E		
(₹ Crore)	Old	New	% Change	Old	New %	6 Change	Comments
Revenue	55,380	50,996	-7.9	61,460	56,304	-8.4	We revise our revenue estimates downward, tracking persistent pain in industry and upcoming transition to BS-VI
EBITDA	6,966	6,617	-5.0	6,884	6,539	-5.0	
EBITDA Margin (%)	12.6	13.0	37 bps	11.2	11.6	41 bps	We expect M&M to experience some relief on margin front, going ahead, amid supportive prices of input commodities
PAT	5,470	5,738	4.9	4,251	4,287	0.9	
EPS (₹)	44.0	46.2	4.9	34.2	34.5	0.9	*****

Source: Company, ICICI Direct Research

Exhibit 3: Assumpt	ions						
			Curi	rent	Earlier		Comments
Units	FY18	FY19	FY20E	FY21E	FY20E	FY21E	
Automotive volumes	548,664	608,597	556,692	572,165	611,015	630,142	While our automotive segment volume estimates have been pared, they continue to factor in dominant UV share at M&M, with it expected to outperform industry over FY19-21E
Automotive ASP's (₹)	580,009	580,892	605,374	660,681	617,579	679,472	Automotive ASPs seen rising $\sim\!\!10\%$ YoY in FY21E on the back of transition to BS-VI norms
FES Volumes	318,538	330,436	308,692	324,127	317,087	332,322	FES volumes seen declining in single digit for the industry, with market leader M&M expected to consolidate its market share via relative outperformance
FES ASPs (₹)	505,232	510,679	503,688	510,396	505,643	510,001	

Source: ICICI Direct Research

Conference Call Highlights

Management outlook

- The management sees UV segment growing 10% YoY in H2FY20E, with passenger car (PC) segment, de-growing ~12-13% in that time, leading to ~5% decline for PV industry. The auto outlook has improved slightly for remaining five months of FY20
- Decline on CV side expected to continue at similar rates as present
- **M&M lowered FY20E tractor industry outlook to ~ (-) 7-8%.** November would be decent for the industry (pent up demand from delayed harvest) while February-March expected to be strong

Festive demand

- While industry retails grew ~14% YoY, M&M posted 23% rise in automotive and 4% decline in tractors
- M&M festive discounts were higher by ~₹ 4,000/unit (auto), ~₹ 1,500/unit (tractors) (QoQ basis)
- Pickups retailed ~22,000 units in October

BS-VI & powertrain related discussion

- Logistic issues are brewing surrounding BS-VI grade fuel availability in run-up to April switchover. M&M would want diesel fuel to be available six to eight weeks before deadline (product dispatch to begin in January 2020 with feasible holding capacity of about three weeks at dealers)
- Under BS-VI, diesel is expected to vanish from 1.2L & lower engines; for 1.2-1.5L engines existing gasoline to diesel mix is seen reversing. Diesel is expected to be the dominant fuel in 1.5L & above engines
- M&M is exploring gasoline/CNG/EV options for SCV segment due to BS-VI pricing increase impact
- The company expects most 3-W to be electric in three years (with CNG co-existing). Primary e-3-W markets today
 are northern & eastern metros

Product development

- All new M&M products to be in UV, have gasoline and diesel variants
- Three new product launches are in the pipeline starting Q4FY20

Electric Vehicles (EV)

- M&M retailed ~2,000 units in October (~1,300 e-Alfa, ~700 e-Treo, ~150 ~e-Verito); expects continued growth
- Electric KUV to be launched in Q4FY20, an electric last mile vehicle around Q3FY21 and electric XUV by Q1FY22

SsangYong, Jawa update

- Losses at SsangYong have mounted in recent quarters due to a) economic slowdown and rapid shift towards gasoline in home Korean market, b) region specific issues in large export markets, viz. Iran, Egypt & West Europe and c) high development costs and high variable expenses amid negative operating leverage
- M&M is working on reducing material costs and exploring new export markets
- EBITDA/EBT breakeven levels for SsangYong are at 140,000 units/155,000 units
- Jawa production has been ramped up to ~5,000 units per month

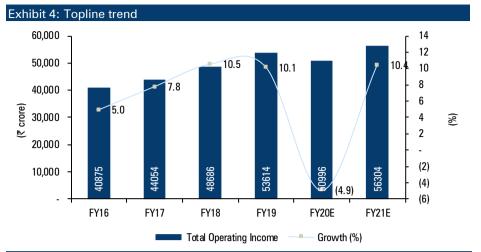
Inventory situation

Auto inventory at a multi month low level; tractor inventory could correct by further ~1,500 units

Others

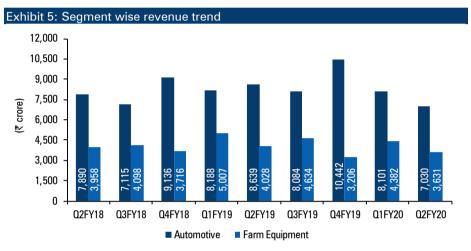
SCV market share crossed 50%, LCV market share up 200 bps to 9.5%

Financial story in charts



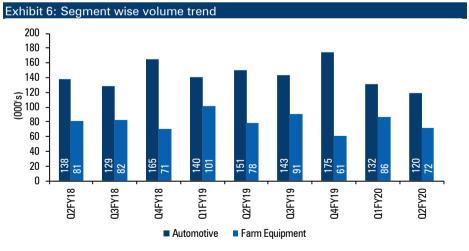
We expect sales to grow at a CAGR of 2.5% over FY19-21E

Source: Company, ICICI Direct Research

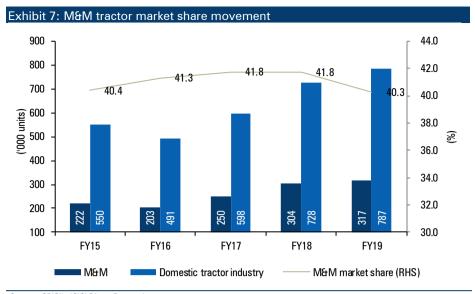


Segment wise revenue mix for quarter i.e. Q2FY20 was at automotive: tractor: others: 63:33: 4

Source: Company, ICICI Direct Research

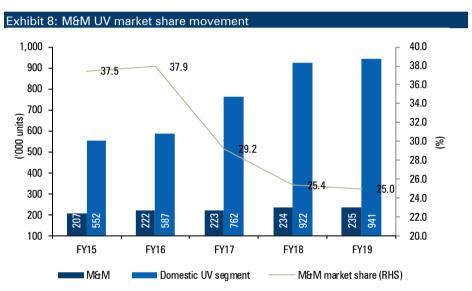


In Q2FY20; automotive segment volumes declined 20.6% YoY to 120,000 units while sales for tractors declined 8.0% YoY to \sim 72,000 units



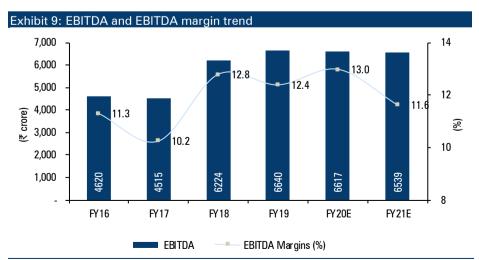
M&M's tractor market share was at 40.3% as of FY19

Source: CRISIL, ICICI Direct Research

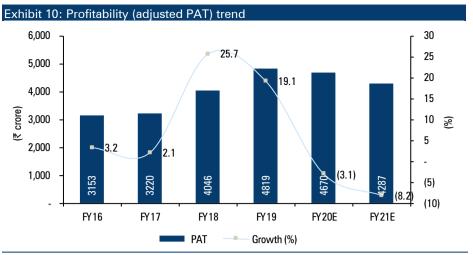


M&M's UV market share was at 25% as of FY19

Source: SIAM, ICICI Direct Research

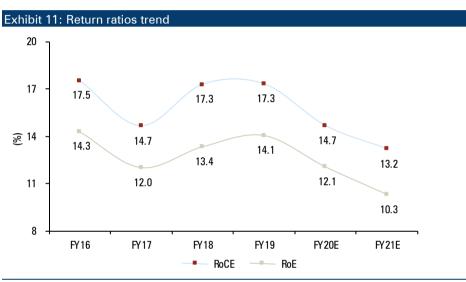


We build in 13.0% & 11.6% as EBITDA margins in FY20E and FY21E, respectively



Adjusted PAT CAGR is in negative territory for M&M over FY19-21E primarily tracking high base in FY19

Source: Company, ICICI Direct Research



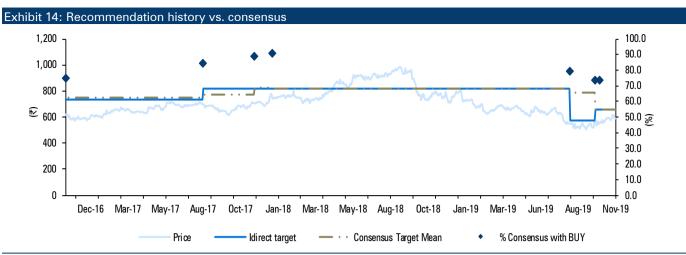
RoCE profile at M&M seen deteriorating to \sim 13% by FY21E

Exhibit 12: Valuation matrix (SOTP Valuation) Valu Valu	ation Matr	ix (SOTP)			
Automotive Business (UV+PV+CV+Tractors)		₹ crore		₹/share	
Standalone business					
FY21E EBITDA		6,539			
Assigning EV/EBITDA Multiple of 6x		6.0			
Enterprise Value		39,232		316	
Net Debt		(5,772)		-46	
Value of Standalone Business (A)		45,004		362	
Mahindra Vehicle Manufacturers Ltd					
Investment made by M&M (wholly owned subsidiary)		4,065			
Assigning 1x P/B on investment value		1.0			
Value of MVML attributable to M&M (B)		4,065		33	
Total value of automobile business (C= A+B)				395	
	M&M	Estimated	Contribution		
Value of Investments (listed companies)	stake	value	to M&M		Remark
	(%)	₹ crore	₹ crore	₹/share	
Tech Mahindra	26	79,866	20,813	167	Direct Target market cap*
M&M Financial Services	51	22,241	11,387	92	Direct Target market cap*
Mahindra Life space	52	1,949	1,005	8	Direct Target market cap*
Mahindra CIE	11	8,717	997.2	8	Direct Target market cap*
Mahindra Holidays & Resorts	67	3,092	2080.9	17	Current market cap*
SsangYong Motors	75	2,100	1,575	13	Current market cap*
Other subsidiaries & investments			9,850	79	- -
Total Value of subsidiaries & associates (D)			47,708.0	384	
Value of investments post 25% holding company discount (E $= 0.75$	5*D)			285	
M&M Target Price (value of equity per share , C+E)				680	

Source: ICICI Direct Research

Exhibit 13: \	/aluation Sum	nmary						
	Sales	Growth	EPS	Growth	PE	EV/EBITDA	RoNW	RoCE
	(₹ cr)	(%)	(₹)	(%)	(x)	(x)	(%)	(%)
FY18	48,686	10.5	35.0	19.6	17.8	10.9	13.4	17.3
FY19	53,614	10.1	38.6	10.1	15.0	10.2	14.1	17.3
FY20E	50,996	(4.9)	46.2	19.6	15.4	10.1	12.1	14.7
FY21E	56,304	10.4	34.5	(25.3)	16.8	10.1	10.3	13.2

Source: Bloomberg, ICICI Direct Research



Source: Reuters, ICICI Direct Research

Rank	Name	Latest Filing Date	% 0/S	Position (m)	Change (m)
1	Prudential Management & Services Pvt. Ltd.	30-Sep-19	11.9	141.5	0.00
2	Life Insurance Corporation of India	30-Sep-19	11.3	134.2	0.73
3	M&M Benefit Trust	30-Sep-19	7.1	84.5	0.00
4	M&M Farm Equipment Employees Welfare Fund	3-Jun-19	7.1	84.5	84.47
5	Stewart Investors	31-Jul-19	4.9	57.8	4.82
6	Mahindra & Mahindra Employees Stock Option Trust	22-0ct-19	4.3	50.9	-0.06
7	SBI Funds Management Pvt. Ltd.	30-Sep-19	2.6	30.6	1.26
8	Caisse de Depot et Placement du Quebec	30-Sep-19	2.0	23.9	0.50
9	The Vanguard Group, Inc.	30-Sep-19	1.8	21.0	-0.33
10	BlackRock Institutional Trust Company, N.A.	30-Sep-19	1.7	20.8	0.09

Source: Reuters, ICICI Direct Research, ICICI Direct Research

Exhibit 16: Recent activity						
Buys		Sells				
Investor name	Value	Shares	Investor name	Value	Shares	
M&M Farm Equipment Employees Welfare Fund	+802.98M	+84.47M	ICICI Prudential Life Insurance Company Ltd.	-125.08M	-13.16M	
NPS Trust	+97.93M	+12.64M	GIC Private Limited	-27.42M	-3.54M	
RBC Global Asset Management (UK) Limited	+71.61M	+9.25M	FIL Investment Management (Hong Kong) Limited	-15.63M	-1.68M	
Stewart Investors	+38.46M	+4.82M	Franklin Templeton Asset Management (India) Pvt. Ltd.	-12.34M	-1.59M	
ICICI Prudential Asset Management Co. Ltd.	+18.75M	+2.42M	UTI Asset Management Co. Ltd.	-11.92M	-1.54M	

Source: Reuters, ICICI Direct Research

Exhibit 17: Shareholding pattern					
(in %)	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19
Promoter	21.6	21.6	21.5	19.9	19.8
FII	34.0	33.0	31.3	34.5	34.2
DII	21.2	21.9	23.4	24.1	27.8
Others	23.2	23.6	23.8	21.6	18.1

Financial Summary

Exhibit 18: Profit and loss	statemen	t		₹ crore
(Year-end March)	FY18	FY19	FY20E	FY21E
Total operating Income	48,685.6	53,614.0	50,996.3	56,304.3
Growth (%)	10.5	10.1	-4.9	10.4
Raw Material Expenses	34,134.7	38,256.5	35,686.0	40,614.0
Employee Expenses	2,840.9	2,980.2	3,015.0	3,111.7
Other Expenses	5,486.0	5,737.7	5,678.8	6,039.9
Total Operating Expenditure	42,461.5	46,974.4	44,379.8	49,765.6
EBITDA	6,224.1	6,639.6	6,616.5	6,538.7
Growth (%)	37.9	6.7	-0.3	-1.2
Depreciation	1,479.4	1,860.4	2,167.3	2,392.9
Interest	112.2	113.4	115.6	97.5
Other Income	1,036.4	1,689.0	1,641.6	1,683.5
PBT	5,668.8	6,354.8	5,975.1	5,731.8
Others (incl exceptional item)	-433.6	29.7	-1,367.1	0.0
Total Tax	1,746.4	1,529.0	1,603.8	1,444.4
PAT	4,356.0	4,796.1	5,738.4	4,287.4
Growth (%)	19.6	10.1	19.6	-25.3
EPS (₹)	35.0	38.6	46.2	34.5

Source: Company, ICICI Direct Research

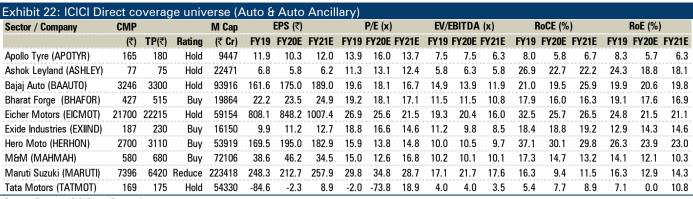
Exhibit 19: Cash flow state	ement			₹ crore
(Year-end March)	FY18	FY19	FY20E	FY21E
Profit after Tax	4,356.0	4,796.1	5,738.4	4,287.4
Add: Depreciation	1,479.4	1,860.4	2,167.3	2,392.9
(Inc)/dec in Current Assets	-2,219.3	-1,803.9	733.0	-1,045.8
Inc/(dec) in CL and Provisions	3,559.6	1,230.8	-1,356.5	1,227.0
CF from operating activities	7,175.7	6,083.4	7,282.2	6,861.4
(Inc)/dec in Investments	-2,784.7	-1,341.3	-2,700.0	-2,100.0
(Inc)/dec in Fixed Assets	-2,658.7	-3,373.7	-3,000.0	-3,000.0
Others	227.4	734.7	13.8	-28.0
CF from investing activities	(5,216.0)	(3,980.4)	(5,686.2)	(5,128.0)
Issue/(Buy back) of Equity	-2.5	-195.9	0.0	0.0
Inc/(dec) in loan funds	91.5	-384.1	-300.0	-300.0
Dividend paid & dividend tax	-1,118.9	-1,268.1	-1,268.1	-1,342.7
Others	276.4	582.9	-0.2	-0.2
CF from financing activities	(753.5)	(1,265.2)	(1,568.3)	(1,642.9)
Net Cash flow	1,206.2	837.8	27.7	90.6
Opening Cash	1,687.5	2,893.7	3,731.5	3,759.3
Closing Cash	2,893.7	3,731.5	3,759.3	3,849.9

Source: Company, ICICI Direct Research

Exhibit 20: Balance Sheet				₹ crore
(Year-end March)	FY18	FY19	FY20E	FY21E
Liabilities				
Equity Capital	595.0	595.8	595.8	595.8
Reserve and Surplus	29,699.1	33,613.4	38,083.7	41,028.4
Total Shareholders funds	30,294.0	34,209.2	38,679.5	41,624.2
Total Debt	2,864.4	2,480.3	2,180.3	1,880.3
Deferred Tax Liability	277.2	634.1	634.1	634.1
Others	1,326.4	1,487.9	1,415.2	1,562.5
Total Liabilities	34,762.0	38,811.5	42,909.2	45,701.2
Assets				
Gross Block	17,892.0	21,974.6	25,394.4	28,394.4
Less: Acc Depreciation	10,032.5	11,892.9	14,060.2	16,453.2
Net Block	7,859.5	10,081.7	11,334.2	11,941.3
Capital WIP	3,128.7	2,419.8	2,000.0	2,000.0
Total Fixed Assets	10,988.3	12,501.5	13,334.2	13,941.3
Other investments	16,645.5	19,032.1	21,032.1	23,032.1
Liquid Investments	4,047.6	3,002.4	3,702.4	3,802.4
Inventory	2,701.7	3,839.3	3,772.3	4,165.0
Debtors	3,173.0	3,946.3	4,191.5	4,627.8
Loans and Advances	975.2	673.4	385.5	425.7
Other current assets	581.4	539.2	2,061.8	2,321.8
Cash	2,893.7	3,731.5	3,759.3	3,849.9
Total Current Assets	9,549.0	9,001.3	12,426.9	15,068.6
Creditors	6,881.1	8,603.4	9,678.2	8,662.4
Provisions	565.5	667.4	688.7	703.0
Total Current Liabilities	7,446.6	9,270.8	10,366.9	9,365.4
Net Current Assets	2,102.5	(269.5)	2,060.0	5,703.2
Application of Funds	34,762.0	38,811.5	42,909.2	45,701.2

Source: Company, ICICI Direct Research

Exhibit 21: Key ratios				
(Year-end March)	FY18	FY19	FY20E	FY21E
Per share data (₹)				
EPS	35.0	38.6	46.2	34.5
Cash EPS	46.9	53.5	63.6	53.7
BV	243.7	275.2	311.1	334.8
DPS	7.5	8.5	8.5	9.0
Cash Per Share	23.3	30.0	30.2	31.0
Operating Ratios (%)				
EBITDA Margin	12.8	12.4	13.0	11.6
PBT / Net sales	9.7	8.9	8.7	7.4
PAT Margin	11.3	11.3	9.0	8.3
Inventory days	20.3	26.1	27.0	27.0
Debtor days	23.8	26.9	30.0	30.0
Creditor days	64.5	65.9	62.0	62.0
Return Ratios (%)				
RoE	13.4	14.1	12.1	10.3
RoCE	17.3	17.3	14.7	13.2
RoIC	94.5	60.2	45.2	40.3
Valuation Ratios (x)				
P/E	16.6	15.0	12.6	16.8
EV / EBITDA	10.9	10.2	10.1	10.1
EV / Net Sales	1.4	1.3	1.3	1.2
Market Cap / Sales	1.5	1.3	1.4	1.3
Price to Book Value	2.4	2.1	1.9	1.7
Solvency Ratios				
Debt/Equity	0.1	0.1	0.1	0.0
Current Ratio	0.8	0.8	0.9	0.9
Quick Ratio	0.5	0.5	0.5	0.5



Source: Reuters, ICICI Direct Research

RATING RATIONALE

ICICI Direct endeavors to provide objective opinions and recommendations. ICICI Direct assigns ratings to its stocks according to their notional target price vs. current market price and then categorizes them as Buy, Hold, Reduce and Sell. The performance horizon is two years unless specified and the notional target price is defined as the analysts' valuation for a stock

Buy: >15%

Hold: -5% to 15%;

Reduce: -15% to -5%;

Sell: <-15%



Pankaj Pandey

Head - Research

pankaj.pandey@icicisecurities.com

ICICI Direct Research Desk, ICICI Securities Limited, 1st Floor, Akruti Trade Centre, Road No 7, MIDC, Andheri (East) Mumbai – 400 093 research@icicidirect.com

ANALYST CERTIFICATION

I/We, Shashank Kanodia, CFA, MBA (Capital Markets), and Jaimin Desai, CA, Research Analysts, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report. It is also confirmed that above mentioned Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months and do not serve as an officer, director or employee of the companies mentioned in the report.

Terms & conditions and other disclosures:

ICICI Securities Limited (ICICI Securities) is a full-service, integrated investment banking and is, inter alia, engaged in the business of stock brokering and distribution of financial products. ICICI Securities Limited is a SEBI registered Research Analyst with SEBI Registration Number – INH000000990. ICICI Securities Limited SEBI Registration is INZ000183631 for stock broker. ICICI Securities is a subsidiary of ICICI Bank which is India's largest private sector bank and has its various subsidiaries engaged in businesses of housing finance, asset management, life insurance, general insurance, venture capital fund management, etc. ("associates"), the details in respect of which are available on www.icicibank.com

ICICI Securities is one of the leading merchant bankers/ underwriters of securities and participate in virtually all securities trading markets in India. We and our associates might have investment banking and other business relationship with a significant percentage of companies covered by our Investment Research Department. ICICI Securities generally prohibits its analysts, persons reporting to analysts and their relatives from maintaining a financial interest in the securities or derivatives of any companies that the analysts cover.

Recommendation in reports based on technical and derivative analysis centre on studying charts of a stock's price movement, outstanding positions, trading volume etc as opposed to focusing on a company's fundamentals and, as such, may not match with the recommendation in fundamental reports. Investors may visit icicidirect.com to view the Fundamental and Technical Research Reports.

Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein.

ICICI Securities Limited has two independent equity research groups: Institutional Research and Retail Research. This report has been prepared by the Retail Research. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, target price of the Institutional Research.

The information and opinions in this report have been prepared by ICICI Securities and are subject to change without any notice. 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 of ICICI Securities. While we would endeavour to update the information herein on a reasonable basis, ICICI Securities is under no obligation to update or keep the information current. Also, there may be regulatory, compliance or other reasons that may prevent ICICI Securities from doing so. Non-rated securities indicate that rating on a particular security has been determined temporarily and such suspension is in compliance with applicable regulations and/or ICICI Securities policies, in circumstances where ICICI Securities might be acting in an advisory capacity to this company, or in certain other circumstances.

This report is based on information obtained from public sources and sources believed to be reliable, but no independent verification has been made nor is its accuracy or completeness guaranteed. This report and information herein is solely for informational purpose and shall 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. Though disseminated to all the customers is insultaneously, not all customers may receive this report at the same time. ICICI Securities will not treat recipients by virtue of their receiving this report. 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. The recipient should independently evaluate the investment risks. The value and return on investment may vary because of changes in interest rates, foreign exchange rates or any other reason. ICICI Securities accepts no liabilities whatsoever for any loss or damage of any kind arising out of the use of this report. Past performance is not necessarily a guide to future performance. Investors are advised to see Risk Disclosure Document to understand the risks associated before investing in the securities markets. Actual results may differ materially from those set forth in projections. Forward-looking statements are not predictions and may be subject to change without notice.

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

ICICI Securities or its associates might have received any compensation from the companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or companies mentioned in the report during the period preceding twelve months from the date of this report for services in the report during the period preceding twelve months from the date of this report for services in the report during the period preceding twelve months from the date of this report during the period preceding twelve months from the date of this report during the period preceding twelve months from the date of the period preceding the period precedin

ICICI Securities encourages independence in research report preparation and strives to minimize conflict in preparation of research report. ICICI Securities or its associates or its analysts did not receive any compensation or other benefits from the companies mentioned in the report or third party in connection with preparation of the research report. Accordingly, neither ICICI Securities nor Research Analysts and their relatives have any material conflict of interest at the time of publication of this report.

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

ICICI Securities or its subsidiaries collectively or Research Analysts or their relatives do not own 1% or more of the equity securities of the Company mentioned in the report as of the last day of the month preceding the publication of the research report.

Since associates of ICICI Securities are engaged in various financial service businesses, they might have financial interests or beneficial ownership in various companies including the subject company/companies mentioned in this report.

ICICI Securities may have issued other reports that are inconsistent with and reach different conclusion from the information presented in this report.

Neither the Research Analysts nor ICICI Securities have been engaged in market making activity for the companies mentioned in the report.

We submit that no material disciplinary action has been taken on ICICI Securities by any Regulatory Authority impacting Equity Research Analysis activities.

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 ICICI Securities and affiliates 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.