

Debt, return ratio commentary encouraging

Apollo Tyres (ATL) reported a healthy Q2FY21 performance. Total consolidated total operating income came in at ₹ 4,283 crore, up 7.4% YoY. Within key geographies, revenue from APMEA region came in at ₹ 2,964 crore (up 4.8% YoY), while revenue from Europe region was at ₹ 1,372 crore (up 12.3% YoY, flat in Euro terms). EBITDA in Q2FY20 was at ₹ 695 crore (up 60.8% YoY) with attendant EBITDA margins at 16.2% (up 538 bps YoY); savings across all cost heads. APMEA EBIT margins rose 758 bps YoY to 13.9% while Europe continued to post a loss at EBIT level. Consequent consolidated PAT came in at ₹ 200 crore, up 1.4x YoY.

Continued replacement strength, market share gain bodes well

For ATL, APMEA (largely India) region formed ~68% of consolidated FY20 revenues, with Europe forming ~32%. In terms of channel mix, replacement and OEM segmentation was at ~81:19, while among vehicle segments PV and CV formed ~39% and ~49%, respectively. Domestically, the rebound following lifting of lockdown restrictions has been quite strong, especially in the replacement market (with all major segments reporting double-digit YoY growth in Q2FY21), with outlook also healthy for the prevailing quarter. The company has gained substantial ~500 bps market share in India PCR category as of August 2020 on higher utilisation, expanded distribution footprint as well as benefits arising out of import restrictions. Bottoming out of domestic CV OEM cycle would add to topline tailwinds in the short to medium term. ATL has also delivered market share gains in European focus segments (UHP PCR, TBR and farm) during Q2FY21. Amid continued healthy prospects for replacement market (given strong OEM offtake during FY18-19), we build 7.9% standalone and 6.6% Europe sales CAGR in FY20-23E.

Deleveraging, capital efficiency in focus

Heavy capex over the past few years (completed doubling of Chennai TBR capacity in 2018, currently in the latter stages of ~₹ 3,800 crore worth greenfield expansion in Andhra Pradesh) have led to sharp increase in net debt levels from <₹ 300 crore in FY16 to ~₹ 6,000 crore in FY20 as well as substantial dilution in return ratios (~25% RoCE in FY15 to 4.5% in FY20). ATL is cognizant of a slide in capital efficiency parameters and has now shifted its focus to sweating of assets along with B/S deleveraging (net debt down to ₹ 4,600 crore as of H1FY21, courtesy WC improvement and fund raise from Warburg Pincus Entity). Separately, improving profitability at European operations remains a key monitorable, with progress on Dutch specialisation programme expected to start paying dividends from FY22E.

Valuation & Outlook

We expect sales, PAT CAGR at 7.4%, 25%, respectively in FY20-23E. The company's stated focus on deleveraging and improvement in return ratios going forward is a positive. Given the market share gains across the segment by ATL amid healthy demand prospects, we upgrade ATL from HOLD to **BUY**, valuing ATL at ₹ 175 i.e. 5.8x EV/EBITDA on FY22E numbers.

Key Financial Summary

Key Financials	FY19	FY20	FY21E	FY22E	FY23E	CAGR (FY20-23E)
Net Sales	17,548.8	16,327.0	16,432.2	18,534.3	20,248.9	7.4%
EBITDA	1,958.9	1,915.6	2,196.1	2,696.1	3,068.3	17.0%
EBITDA Margins (%)	11.2	11.7	13.4	14.5	15.2	
Net Profit	680.0	476.4	366.4	738.2	930.0	25.0%
EPS (₹)	11.9	8.3	6.4	11.6	14.6	
P/E	12.5	17.8	23.1	12.7	10.1	
RoNW (%)	8.3	4.8	3.3	6.3	7.5	
RoCE (%)	7.3	4.5	5.0	7.0	8.4	

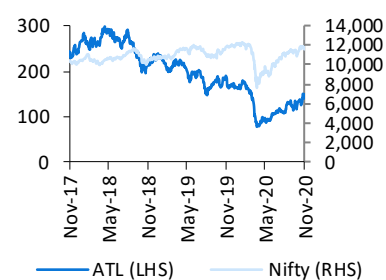
Source: ICICI Direct Research, Company



Particulars

Particular	Amount
Market Capitalization	₹ 8466 Crore
Total Debt (FY 20) (₹ Crore)	6,763.9
Cash & Inv. (FY 20) (₹ Crore)	749.6
EV (₹ Crore)	14,480.6
52 week H/L (₹)	182 / 74
Equity capital	₹ 57.2 Crore
Face value	₹ 1

Price chart



Key Highlights

- Q2FY21 revenues rose 7.4% YoY amid 4.8% YoY growth in APMEA revenues and 12.3% YoY rise in Europe revenues (flat in Euro terms)
- Consolidated margins up 538 bps YoY to four year high of 16.2%
- Healthy replacement demand and market share gains set to continue to support revenues, while shift in focus to improved capital efficiency and lower debt is encouraging
- Upgrade from HOLD to BUY with target price of ₹ 175 i.e. 5.8x FY22E EV/EBITDA

Research Analyst

Shashank Kanodia, CFA
shashank.kanodia@icicisecurities.com

Jaimin Desai
jaimin.desai@icicisecurities.com

Exhibit 1: Variance Analysis

(₹ crore)	Q2FY21	Q2FY21E	Q2FY20	YoY (%)	Q1FY21	QoQ (%)	Comments
Total Operating Income	4,283	3,867	3,986	7.4	2,873	49.0	Topline came in ahead of our estimates tracking out-performance across Indian as well as European operations
Raw Material Expenses	2,301	2,036	2,244	2.5	1,631	41.1	RM costs came in lower than anticipated at ~54% of sales
Employee Expenses	623	594	594	4.9	537	16.1	
Other expenses	663	703	715	(7.3)	468	41.6	Other expenses came in substantially lower at 15.5% of sales vs. our expectation of ~18% of sales
EBITDA	695	535	432	60.8	237	192.9	
EBITDA Margin (%)	16.2	13.8	10.8	539 bps	8.3	797 bps	EBITDA margins came in at multi year high at 16.2% of sales tracking lower Rm costs as well as reduction in
Depreciation	331	319	274	20.7	309	7.0	
Interest	117	114	64	82.4	117	(0.4)	Depreciation and Interest were broadly on expected lines
Other income	38	12	4	858.8	26.8	43.0	
Tax	80	28	15	438.9	-28	(389.1)	
PAT	200	85	83	140.8	-134.6	(248.5)	PAT in Q2FY21 came in substantially higher at ₹ 200 crore tracking beat on sales as well as margin estimates
EPS (₹)	3.5	1.5	1.5	140.8	-2.4	(248.5)	
Key Metrics							
Revenue (₹ crore)							
APMEA	2,964	2,611	2,828	4.8	1,818	63.0	Indian operations revenues grew mid single digit
Europe	1,372	1,256	1,222	12.3	1,090	25.9	European revenues were flat in Euro terms however look optically higher by ~12% YoY due to depreciation of INR
EBIT Margin (%)							
APMEA	13.9	NA	6.3	757 bps	2.0	1189 bps	Indian operations reported sharp improvement in EBIT
Europe	(2.0)	NA	(3.2)	120 bps	(8.3)	623 bps	European operations still report negative EBIT margins

Source: Company, ICICI Direct Research

Exhibit 2: Change in estimates

(₹ Crore)	FY21E			FY22E			FY23E	Comments
	Old	New	% Change	Old	New	% Change	Introduced	
Revenue	15,732	16,432	4.5	17,743	18,534	4.5	20,249	Marginally revised upward our revenue estimates for FY21-22E tracking robust tyre demand in the replacement market. Introduced FY23E estimates. We expect revenues at Apollo Tyres to grow at a CAGR of 7.4% over FY20-23E
EBITDA	2,050	2,196	7.1	2,477	2,696	8.9	3,068	
EBITDA Margin (%)	13.0	13.4	36 bps	14.0	14.5	55 bps	15.2	Marginally revised upward our margin estimates for FY21-22E tracking superlative margins reported in Q2FY21 as well as various cost cutting initiatives undertaken by the company. Introduced FY23E margins at 15.2%
PAT	281	366	30.4	566	738	30.5	930	
EPS (₹)	4.9	6.4	30.4	8.9	11.6	30.5	14.6	Upward revision in sales and margin estimates for FY21-22E leads to sharp upgrade in our earnings estimates for FY21-22E. Introduced FY23E estimates. We expect PAT at Apollo Tyres to grow at a CAGR of 25% over FY20-23E

Source: ICICI Direct Research

Q2FY21 earnings conference call highlights

Management guidance/outlook and demand

- **Q2FY21 India performance was driven by double-digit replacement growth in replacement (18% in trucks, 11% in cars) along with sequential improvement in OEM channel.** India TBR and PCR segment volumes were the highest ever in September 2020, with strong growth momentum continuing into October. **The company is confident about demand prospects across replacement and OEM channels till December (presently at ~85-90% utilisation levels), and hopes to clock single digit YoY India revenue growth for full year FY21E**
- The company said that strong volume gains in trucks segment is driven by increased goods movement along with firmer freight rates and return of key segments like mining and road building
- The company gained ~500 bps market share in India PCR and agri segments during April-August 2020, while TBR market share gains were at > 300 bps. PCR market share now stands at ~24%
- In India PCR, high utilisation (~85%), restriction on imports (forms ~15% of PCR category), improved mix and dealer expansion (especially in rural areas) helped market share movement. The company believes that PCR market share gains are sustainable
- Bias CV tyres (TBB) growth has been higher than TBR growth during FY20 for the industry as well as for ATL due to pressure on incomes of fleet operators. Radialisation levels have dipped to ~50% vs. ~55% earlier, however they are seen continuing to move upwards in coming years
- ATL launched motorcycle radial tyres (MCR) in India in Q2FY21, and these have garnered good response. The segment is highly profitable (~25% margins)
- **ATL plans to launch Vredestein brand in India aftermarket in January 2021 to address opportunity presented by import restriction in the high-end segment i.e. 17-24 inches**
- The company added Kia Motors as a customer in India and started serving the new Hyundai Creta
- In Europe, market share gains in ultra-high performance (UHP) PCR tyres were at 12 bps, while those in TBR and farm tyres were at ~25 bps each
- The company is witnessing slow traction for winter tyres in Europe thus far amid renewed lockdowns in major markets

Revenues, costs and margins

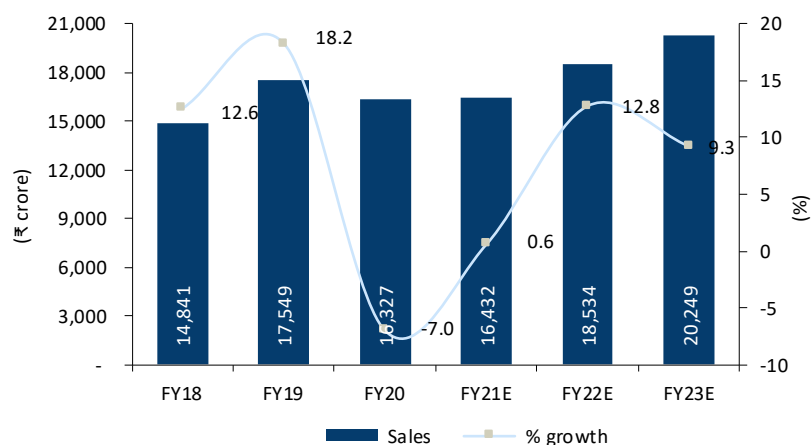
- Europe manufacturing revenues during Q2FY21 were largely unchanged YoY in Euro terms at ~€129 million. Reifen revenues grew 16% YoY
- Margin performance during the quarter was helped by good volume growth across segments along with lower input costs and controlled fixed costs. For Q2FY21, India EBITDA margins were at ~19% vs 11.7% YoY, while Europe EBITDA margins were at ~9% vs. 6.7% last year. Heavy depreciation outgo related to Hungary facility impacted Europe EBIT performance in Q2FY21
- **ATL has managed to reduce fixed costs by >15% YoY in H1FY21.** A portion of this reduction is sustainable (in areas of rent negotiation, ad spends, etc)
- **Dutch specialisation programme would entail manpower reduction of 500 employees by the end of the year, with benefits (savings of ~€ 40 million p.a.) to accrue from FY22E onwards.** Better product mix, higher customer reach (via expanded network) and higher utilisation levels along with improved cost competitiveness (cost of production at ~ € 2.6/kg in Netherlands vs. < €1/kg in Hungary) as a result of the program is seen leading to margin and return ratio improvement in Netherlands. Europe margins are seen rising to high teen levels in the next two years
- Input costs (₹ per kg) during Q2FY21 – natural rubber 137, synthetic rubber 90, carbon black 58. **Input costs are set to increase ~5% QoQ in Q3FY21E and thereby challenge margins.** The company has 45-60 days of rubber inventory procured at lower cost, which would mitigate some of the impact
- ATL said that the worst of the pricing decline in Europe is now behind
- Digital product launches have led to expanded customer outreach as well as substantial cost savings

Others

- Net debt has reduced by ~₹ 1,400 crore from FY20 to ~₹ 4,600 crore as of September 2020 end
- The company reiterated that capex intensity is set to reduce going forward (FY21E India capex guidance at ~₹ 1,050 crore, FY22E guidance at ₹ 1,600 crore; Europe capex guidance at ~€ 25-30 million p.a.). FCF generation would be utilised towards further deleveraging actions
- The company highlighted its desire to return to double digit return ratios in the next few years. With large part of capex requirements now behind it, sweating assets at >90% utilisation levels would be a focus area
- The payback period on the Andhra Pradesh greenfield capex (cost of ~₹ 3,800 crore) is at ~seven years, implying targeted ~14% RoCE profile
- The company has undertaken redesigning of India supply chain, and wants to focus on digitising it. going ahead
- ATL added > 350 India dealers and > 200 Europe dealers in H1FY21
- The company believes that large part of working capital improvements realised thus far in FY21 are sustainable

Financial story in charts

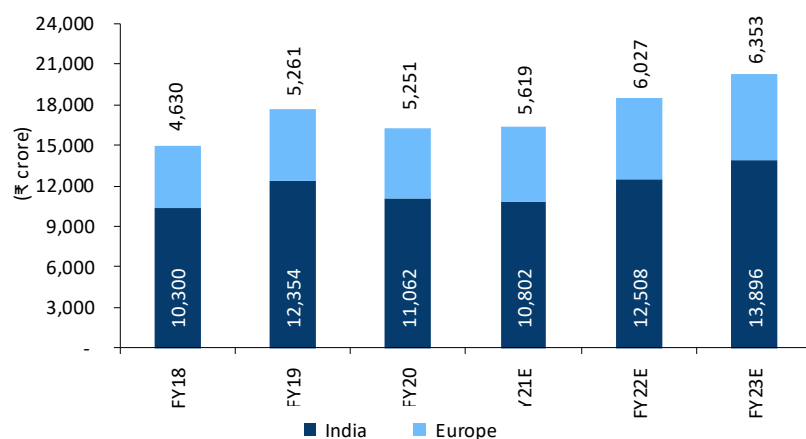
Exhibit 3: Topline trend



Source: Company, ICICI Direct Research

Supported by healthy replacement demand, consolidated ATL sales are expected to grow at ~7.4% CAGR over FY20-23E

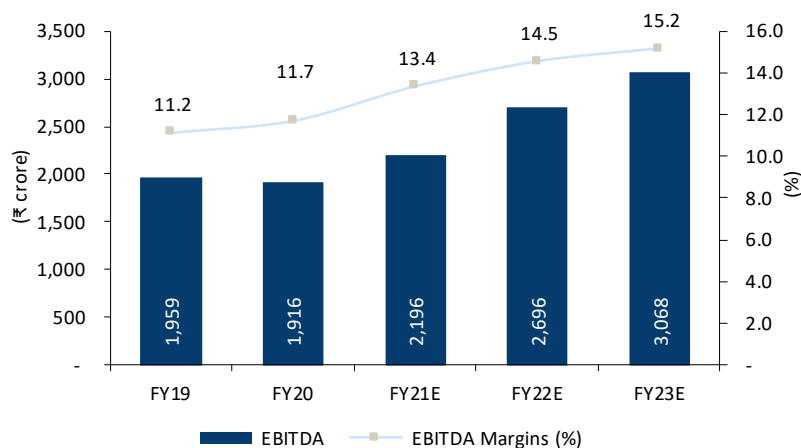
Exhibit 4: Geography-wise breakup of revenues



Source: Company, ICICI Direct Research

India revenues are seen growing at 7.9% CAGR over FY20-23E. Europe sales are expected to grow at 6.6% CAGR in the aforesaid period

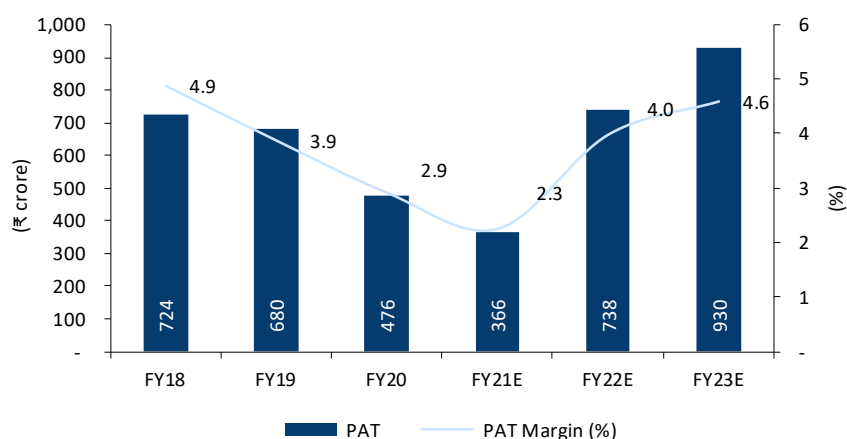
Exhibit 5: EBITDA and EBITDA margin trend



Source: Company, ICICI Direct Research

We expect margins to steadily improve and reach ~15% levels by FY23E. Savings of staff costs in Netherlands is expected to push Europe margins significantly higher

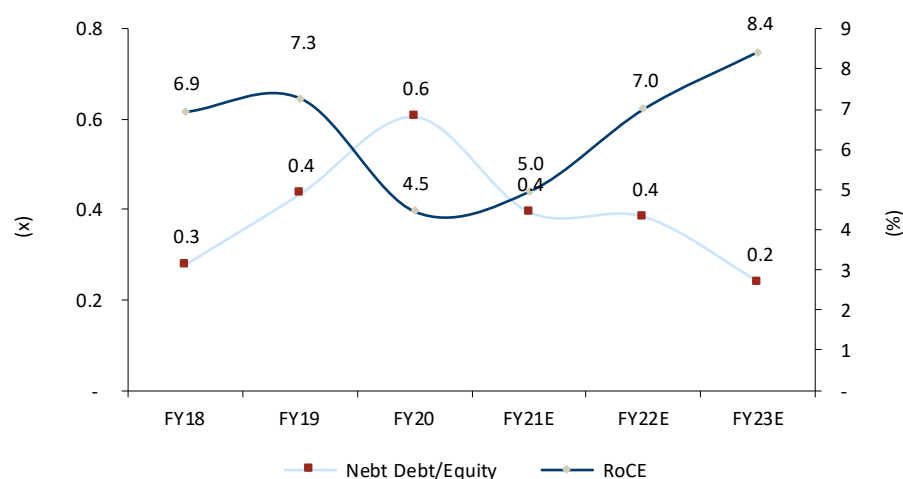
Exhibit 6: Trend in profitability



Profitability expected to grow at 25% CAGR over FY20-23E courtesy improving margins and lower interest outgo

Source: Company, ICICI Direct Research

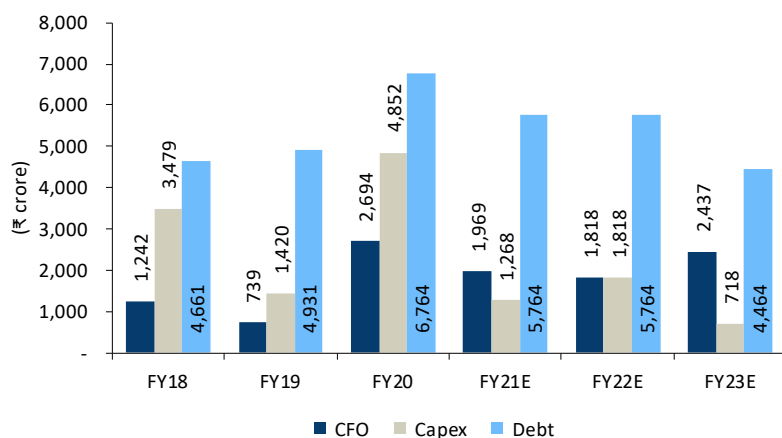
Exhibit 7: Trend in RoCE



We expect peak debt levels to be behind us. Nevertheless, given the large capital employed on books, single digit RoCE levels are seen persisting for some more time

Source: Company, ICICI Direct Research

Exhibit 8: CFO, capex and debt levels



With peak capex levels a thing of the past, we expect ATL to incrementally reduce debt and post positive FCF going forward

Source: Company, ICICI Direct Research

Exhibit 9: Key valuation metrics

	Sales	Growth	EPS	Growth	PE	EV/EBITDA	RoNW	RoCE
	(₹ cr)	(%)	(₹)	(%)	(x)	(x)	(%)	(%)
FY 18	14,841	12.6	12.7	(34.1)	11.7	6.8	7.4	6.9
FY 19	17,549	18.2	11.9	(6.1)	12.5	6.6	8.3	7.3
FY 20	16,327	(7.0)	8.3	(29.9)	17.8	7.6	4.8	4.5
FY 21E	16,432	0.6	6.4	(23.1)	23.1	5.9	3.3	5.0
FY 22E	18,534	12.8	11.6	81.5	12.7	5.2	6.3	7.0
FY 23E	20,249	9.3	14.6	26.0	10.1	4.0	7.5	8.4

Source: Bloomberg, ICICI Direct Research

Exhibit 10: Shareholding pattern

(in %)	Sep-19	Dec-19	Mar-20	Jun-20	Sep-20
Promoter	40.9	40.9	40.9	41.7	41.8
FII	23.7	24.9	22.9	19.7	20.0
DII	17.5	16.6	17.1	18.2	15.6
Others	17.9	17.6	19.2	20.4	22.6

Source: Company, ICICI Direct Research

Financial Summary

Exhibit 11: Profit and loss statement ₹ crore				
(Year-end March)	FY20	FY21E	FY22E	FY23E
Total operating Income	16,327.0	16,432.2	18,534.3	20,248.9
Growth (%)	-7.0	0.6	12.8	9.3
Raw Material Expenses	9,075.5	9,080.9	10,385.7	11,309.5
Employee Expenses	2,482.2	2,472.2	2,319.4	2,460.8
Other Expenses	2,853.7	2,683.0	3,133.1	3,410.3
Total Operating Expenditure	14,411.3	14,236.1	15,838.2	17,180.6
EBITDA	1,915.6	2,196.1	2,696.1	3,068.3
Growth (%)	-2.2	14.6	22.8	13.8
Depreciation	1,138.1	1,314.6	1,408.6	1,569.3
Interest	280.8	459.4	403.5	358.0
Other Income	46.9	103.8	102.9	102.4
PBT	543.6	520.0	986.9	1243.4
Exceptional items	0.0	5.9	0.0	0.0
Total Tax	67.2	153.6	248.7	313.3
Reported PAT	476.4	366.4	738.2	930.0
Growth (%)	-29.9	-23.1	101.5	26.0
EPS (₹)	8.3	6.4	11.6	14.6

Source: Company, ICICI Direct Research

Exhibit 12: Cash flow statement ₹ crore				
(Year-end March)	FY20	FY21E	FY22E	FY23E
Profit after Tax	476.4	366.4	738.2	930.0
Add: Depreciation	1,138.1	1,314.6	1,408.6	1,569.3
(Inc)/dec in Current Assets	434.4	91.2	-593.7	-484.2
Inc/(dec) in CL and Provisions	644.8	196.6	265.2	421.8
CF from operating activities	2693.8	1968.8	1818.4	2436.9
(Inc)/dec in Investments	0.0	0.0	0.0	0.0
(Inc)/dec in Fixed Assets	-4,851.9	-1,267.5	-1,817.5	-717.5
Others	1,167.2	-39.2	165.9	126.1
CF from investing activities	-3684.7	-1306.7	-1651.6	-591.4
Issue/(Buy back) of Equity	0.0	0.0	6.3	0.0
Inc/(dec) in loan funds	1,833.3	-1,000.0	0.0	-1,300.0
Dividend paid & dividend tax	-205.9	-114.4	-228.8	-286.0
Others	-449.6	1,030.0	-26.3	-20.0
CF from financing activities	1177.8	-84.4	-248.8	-1606.0
Net Cash flow	186.9	577.7	-82.0	239.5
Opening Cash	562.7	749.6	1,327.3	1,245.3
Closing Cash	749.6	1327.3	1245.3	1484.7

Source: Company, ICICI Direct Research

Exhibit 13: Balance Sheet ₹ crore				
(Year-end March)	FY20	FY21E	FY22E	FY23E
Liabilities				
Equity Capital	57.2	57.2	63.5	63.5
Reserve and Surplus	9,872.8	10,124.7	11,707.9	12,351.9
Total Shareholders funds	9,930.0	11,261.9	11,771.4	12,415.4
Total Debt	6,763.9	5,763.9	5,763.9	4,463.9
Deferred Tax Liability	747.7	752.5	848.8	927.3
Total Liabilities	19,152.6	19,499.3	20,303.7	19,888.3
Assets				
Gross Block	22,558.7	23,448.2	26,765.7	27,783.2
Less: Acc Depreciation	8,063.0	9,377.6	10,786.2	12,355.5
Net Block	14,495.7	14,070.6	15,979.5	15,427.7
Capital WIP	1,622.0	2,000.0	500.0	200.0
Total Fixed Assets	16,117.7	16,070.6	16,479.5	15,627.7
Investments	19.4	69.4	119.4	169.4
Goodwill on consolidation	213.5	213.5	213.5	213.5
Inventory	3,206.9	2,926.3	3,300.6	3,606.0
Debtors	939.9	1,125.5	1,269.5	1,386.9
Loans and Advances	43.5	43.8	49.4	53.9
Other current assets	541.6	545.1	614.8	671.7
Cash	749.6	1,327.3	1,245.3	1,484.7
Total Current Assets	5,481.5	5,967.9	6,479.6	7,203.2
Creditors	2,309.1	2,476.1	2,539.0	2,773.8
Provisions	274.4	294.2	301.7	329.6
Total Current Liabilities	2,583.5	2,770.3	2,840.7	3,103.4
Net Current Assets	2,898.0	3,197.6	3,638.9	4,099.8
Application of Funds	19,152.6	19,499.3	20,303.7	19,888.3

Source: Company, ICICI Direct Research

Exhibit 14: Key ratios				
(Year-end March)	FY20	FY21E	FY22E	FY23E
Per share data (₹)				
EPS	8.3	6.4	11.6	14.6
Cash EPS	28.2	29.4	33.8	39.4
BV	173.6	196.9	185.4	195.5
DPS	3.0	2.0	4.0	5.0
Cash Per Share	13.1	23.2	19.6	23.4
Operating Ratios (%)				
EBITDA Margin	11.7	13.4	14.5	15.2
PBT / Net sales	4.8	5.4	6.9	7.4
PAT Margin	2.9	2.3	4.0	4.6
Inventory days	71.7	65.0	65.0	65.0
Debtor days	21.0	25.0	25.0	25.0
Creditor days	51.6	55.0	50.0	50.0
Return Ratios (%)				
RoE	4.8	3.3	6.3	7.5
RoCE	4.5	5.0	7.0	8.4
RoIC	5.2	6.1	7.7	9.3
Valuation Ratios (x)				
P/E	17.8	22.8	12.7	10.1
EV / EBITDA	7.6	5.9	5.2	4.0
EV / Net Sales	0.9	0.8	0.8	0.6
Market Cap / Sales	0.5	0.5	0.5	0.5
Price to Book Value	0.9	0.8	0.8	0.8
Solvency Ratios				
Debt/Equity	0.7	0.5	0.5	0.4
Current Ratio	1.8	1.7	1.8	1.8
Quick Ratio	0.6	0.6	0.7	0.7

Source: Company, ICICI Direct Research

Exhibit 15: ICICI Direct coverage universe (Auto & Auto Ancillary)

Sector / Company	CMP	TP	Rating	M Cap	EPS (₹)			P/E (x)			EV/EBITDA (x)			RoCE (%)			RoE (%)		
	(₹)	(₹)		(₹ Cr)	FY20	FY21E	FY22E	FY20	FY21E	FY22E	FY20	FY21E	FY22E	FY20	FY21E	FY22E	FY20	FY21E	FY22E
Apollo Tyre (APOTYR)	148	175	Buy	8,466	8.3	6.4	11.6	17.8	23.1	12.7	7.6	5.9	5.2	4.5	5.0	7.0	4.8	3.3	6.3
Ashok Leyland (ASHLEY)	84	90	Buy	24,588	0.8	0.3	2.5	103.0	316.3	33.9	22.6	28.1	14.5	4.5	2.3	9.2	4.7	1.1	9.4
Bajaj Auto (BAAUTO)	2,930	3,570	Buy	84,785	176.2	142.5	180.2	16.6	20.6	16.3	13.2	14.7	10.6	23.9	24.1	27.3	25.6	18.5	20.7
Bharat Forge (BHAFOR)	475	415	Hold	22,115	7.5	3.5	13.7	63.3	136.3	34.7	22.2	30.0	16.6	5.8	2.2	7.9	7.8	3.0	11.1
Eicher Motors (EICMOT)	2,100	2,470	Buy	57,246	67.0	46.6	71.3	31.3	45.1	29.5	23.2	29.1	19.9	17.3	11.5	15.4	18.3	11.6	15.4
Escorts (ESCORT)	1,250	1,460	Buy	15,323	39.6	59.5	71.0	31.6	21.0	17.6	21.3	13.8	11.5	16.2	15.3	15.3	14.2	14.0	14.5
Exide Industries (EXIIND)	165	180	Buy	14,025	9.7	6.3	8.9	11.8	18.0	12.9	10.1	12.5	9.7	15.7	10.3	13.5	13.4	8.2	10.7
Hero Moto (HERHON)	2,945	3,450	Buy	58,812	181.9	123.6	161.8	16.2	23.8	18.2	13.2	15.2	11.4	21.3	16.6	20.6	22.7	16.0	19.0
M&M (MAHMAH)	600	760	Buy	74,592	11.2	29.1	40.0	53.8	20.6	15.0	12.3	12.6	9.5	12.9	10.8	13.8	6.4	9.2	11.6
Maruti Suzuki (MARUTI)	7,100	6,335	Reduce	2,14,477	187.1	132.1	191.8	38.0	53.8	37.0	24.5	35.0	22.7	7.4	3.6	7.6	11.7	7.8	10.6
Minda Industries (MININD)	325	370	Hold	8,364	5.9	2.8	10.0	55.0	115.5	32.4	15.1	17.5	11.3	10.2	6.3	12.7	10.3	4.0	13.0
Tata Motors (TATMOT)	135	165	Buy	48,569	-33.3	-16.6	6.1	NM	NM	22.1	5.1	4.8	3.5	1.3	2.8	6.4	-18.7	-10.6	3.7

Source: Bloomberg, 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 suspended 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 simultaneously, not all customers may receive this report at the same time. ICICI Securities will not treat recipients as customers 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 co-managing public offerings, corporate finance, investment banking or merchant banking, brokerage services or other advisory service in a merger or specific transaction.

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.