

# Expect domestic recovery, JLR to follow

## Maintain Buy, potential upside 30%

Following a Rs 25bn consolidated loss last fiscal, we forecast a strong reversal over next 2 years driven by both domestic business and JLR. We believe that surprises will come from lower costs, especially in JLR, and also the extent of domestic recovery (consensus estimates sharply lower). Our PO of Rs 365 (earlier Rs 420) factors higher debt position, which lowers imputed equity value.

## We expect strong operational growth

We expect consolidated EBITDA to increase to Rs 79.7bn by FY11E (up from Rs 20.1bn last year), driven by (1) demand revival in CV business (trucks/buses/light vehicles), thanks to higher industrial production and government stimuli, (2) sharp cut in JLR losses on significant cost-saving initiatives, and new product launches, and (3) rebound in key subsidiaries, in line with domestic recovery.

## Forecast rising cash flows, JLR to be self sustaining

Despite expected increase in operating cash flows, we expect both Tata Motors and JLR to resort to independent fund raising in FY10E, to finance capex and other operating requirements. However, in FY11E, we expect Tata Motors to generate surplus cash, facilitating debt repayment, and JLR to be self sustaining.

## Revised PO factors additional debt

Our revised sum of parts PO is based on (1) standalone business at 8x EV/EBITDA FY11E, slight premium to previous mid-cycle sector multiple, and (2) JLR at 0.25x EV/Sales FY11E, 30% discount to long term European auto sector average, assuming debt of €2.1bn (incl SPV) and (3) subsidiaries, in line with domestic peers in constituent businesses, with holding company discount of 20%.

## Estimates (Mar)

(Rs)	2007A	2008A	2009E	2010E	2011E
Net Income (Adjusted - mn)	21,964	20,672	(23,750)	(4,535)	26,243
EPS	56.99	53.62	(46.20)	(8.07)	46.69
EPS Change (YoY)	35.2%	-5.9%	NM	82.5%	NM
Dividend / Share	15.00	15.00	6.00	10.00	14.00
Free Cash Flow / Share	(95.69)	23.83	(189.15)	(65.71)	19.21
ADR EPS (US\$)	1.26	1.33	(0.951)	(0.166)	0.961
ADR Dividend / Share (US\$)	0.332	0.372	0.124	0.206	0.288

## Valuation (Mar)

	2007A	2008A	2009E	2010E	2011E
P/E	4.91x	5.22x	NM	NM	5.99x
Dividend Yield	5.36%	5.36%	2.14%	3.57%	5.00%
EV / EBITDA*	11.69x	11.36x	24.18x	10.41x	6.09x
Free Cash Flow Yield*	-25.64%	6.39%	-67.59%	-25.67%	7.50%

\* For full definitions of *iQmethod*<sup>SM</sup> measures, see page 10.

Equity | India | Autos/Car Manufacturers  
07 July 2009



## RESEARCH

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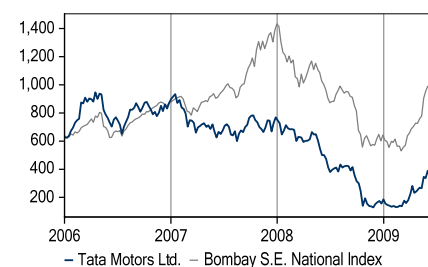
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## Stock Data

Price (Common / ADR)	Rs279.85 / US\$8.24
Price Objective	Rs420.00 to Rs365.00/ US\$12.50 to US\$10.50
Date Established	7-Jul-2009 / 7-Jul-2009
Investment Opinion	C-1-7 / C-1-7
Volatility Risk	HIGH / HIGH
52-Week Range	Rs122.00-Rs445.48
Market Value (mn)	US\$2,962
Shares Outstanding (mn)	514.0 / 514.0
Average Daily Volume	6,018,329
ML Symbol / Exchange	TENJF / BSE
ML Symbol / Exchange	TTM / NYS
Bloomberg / Reuters	TTMT IN / TAMO.BO
ROE (2009E)	-33.3%
Net Dbt to Eqty (Mar-2008A)	84.6%
Est. 5-Yr EPS / DPS Growth	25.0% / 10.0%
Free Float	68.0%



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## iQprofile<sup>SM</sup> Tata Motors

Key Income Statement Data (Mar)	2007A	2008A	2009E	2010E	2011E
<b>(Rs Millions)</b>					
Sales	324,264	356,515	707,493	770,112	943,777
Gross Profit	41,514	42,732	20,069	46,614	79,710
Sell General & Admin Expense	NA	NA	NA	NA	NA
Operating Profit	33,778	34,243	(8,476)	16,280	46,264
Net Interest & Other Income	(2,526)	(4,767)	(16,522)	(18,644)	(14,438)
Associates	0	0	0	0	0
Pretax Income	31,252	29,475	(24,998)	(2,364)	31,827
Tax (expense) / Benefit	(8,832)	(8,515)	(3,358)	(2,865)	(4,874)
Net Income (Adjusted)	21,964	20,672	(23,750)	(4,535)	26,243
Average Fully Diluted Shares Outstanding	385	386	514	562	562

### Key Cash Flow Statement Data

Net Income	22,070	20,290	(28,758)	(5,736)	26,243
Depreciation & Amortization	7,736	8,490	28,545	30,334	33,445
Change in Working Capital	(39,415)	40,032	(10,034)	8,860	20,900
Deferred Taxation Charge	NA	NA	NA	NA	NA
Other Adjustments, Net	(350)	1,438	0	0	0
Cash Flow from Operations	(9,959)	70,249	(10,247)	33,458	80,588
Capital Expenditure	(26,921)	(61,063)	(86,983)	(70,388)	(69,793)
(Acquisition) / Disposal of Investments	869	(14,912)	(108,205)	2,493	0
Other Cash Inflow / (Outflow)	NA	NA	NA	NA	NA
Cash Flow from Investing	(26,052)	(75,975)	(195,188)	(67,895)	(69,793)
Shares Issue / (Repurchase)	25	1	1,285	480	0
Cost of Dividends Paid	(6,785)	(6,787)	(3,620)	(6,596)	(9,235)
Cash Flow from Financing	33,689	32,515	113,908	26,426	(4,851)
Free Cash Flow	(36,880)	9,186	(97,230)	(36,930)	10,796
Net Debt	61,476	77,517	341,430	321,236	318,964
Change in Net Debt	41,549	16,041	159,438	4,562	(2,271)

### Key Balance Sheet Data

Property, Plant & Equipment	75,142	128,634	298,954	339,009	375,356
Other Non-Current Assets	16,176	32,320	178,940	136,128	136,128
Trade Receivables	17,022	20,605	18,926	19,933	25,048
Cash & Equivalents	11,543	38,332	8,060	21,938	39,752
Other Current Assets	129,679	133,806	135,271	159,082	171,642
Total Assets	249,562	353,697	640,153	676,090	747,925
Long-Term Debt	73,019	115,849	349,490	343,174	358,716
Other Non-Current Liabilities	8,173	9,745	9,320	9,320	9,320
Short-Term Debt	NA	NA	NA	NA	NA
Other Current Liabilities	88,654	136,446	221,226	254,904	293,479
Total Liabilities	169,846	262,039	580,036	607,397	661,514
Total Equity	79,716	91,658	60,117	68,692	86,410
Total Equity & Liabilities	249,562	353,697	640,153	676,090	747,925

### iQmethod<sup>SM</sup> - Bus Performance\*

Return On Capital Employed	18.5%	13.1%	-2.3%	3.7%	9.4%
Return On Equity	31.7%	25.2%	-33.3%	-7.6%	36.4%
Operating Margin	10.4%	9.6%	-1.2%	2.1%	4.9%
EBITDA Margin	12.8%	12.0%	2.8%	6.1%	8.4%

### iQmethod<sup>SM</sup> - Quality of Earnings\*

Cash Realization Ratio	-0.5x	3.4x	NM	NM	3.1x
Asset Replacement Ratio	3.9x	7.8x	3.1x	2.4x	2.2x
Tax Rate (Reported)	28.3%	28.9%	NM	NM	15.3%
Net Debt-to-Equity Ratio	77.1%	84.6%	567.9%	467.6%	369.1%
Interest Cover	8.3x	4.6x	-0.4x	0.7x	1.9x

### Key Metrics

\* For full definitions of iQmethod<sup>SM</sup> measures, see page 10.

### Company Description

Tata Motors (est. 1945) is India's leading automobile maker, and is among the top 10 auto manufacturers in the world. The company has more than 130 models spanning a wide range of commercial vehicles, passenger cars and multi-utility vehicles. The company operates out of plants at Jamshedpur, Pune and Lucknow. Key export markets include Europe, Australia, South East Asia, the Middle East and Africa.

### Investment Thesis

We rate Tata Motors Buy, on strong operational recovery of its domestic business, which we believe should be the prime driver of stock valuations. We believe that JLR weakness will continue but is already known. Our sum-of-the-parts valuation offers reasonable upside.

### Stock Data

Shares / ADR	1.00
Price to Book Value	2.6x

## Buy for 30% potential upside

Following a Rs 25bn consolidated loss last year, we forecast strong reversal over the next 2 years driven by both domestic business and JLR. We also estimate rising operating cash flows to restrict overall debt, and sustain JLR business. Our PO of Rs 365 factors higher debt position, which lowers imputed equity value.

### Consolidated operations: Expect sharp trend reversal

Following a Rs 25bn consolidated loss last year, we expect Tata Motors to approach breakeven in FY10, and register net profit of Rs 26.2bn in FY11. Our estimates are based on:

1. Reduced losses in JLR, also due to sizeable cost restructuring initiatives, and back-ended sales growth driven by global recovery, and supported by new models;
2. Domestic recovery, mainly CV business (75% of sales), improved pricing environment, and lower material costs compared to last fiscal;
3. Improved operations of key operating subsidiaries, some due to dependence on domestic CVs, and others on increased economic activity (Telcon, Tata Daewoo);

Table 1: Consolidated P&L

	FY07	FY08	FY09	FY10E	FY11E
Net Sales	324.3	356.5	707.5	770.1	943.8
-Tata Motors (Standalone/Subsidiaries)	324.3	356.5	314.0	346.5	435.4
-JLR	0	0	393.5	423.7	508.4
Consolidated EBITDA	41.5	42.7	20.1	46.6	79.7
-Tata Motors (Standalone/Subsidiaries)	41.5	42.7	23.4	36.6	49.3
-JLR	0	0	-3.3	10.0	30.4
EBITDA Margin	12.8%	12.0%	2.8%	6.1%	8.4%
Depreciation	7.7	8.5	28.5	30.3	33.4
Interest Exp	4.1	7.4	19.3	23.3	24.1
Other income	1.5	2.7	2.8	4.7	9.7
Recurring PAT	22.0	20.7	(23.7)	(4.5)	26.2
FDEPS (Rs)	57.0	53.6	-46.2	-8.1	46.7

Source: Banc of America Securities-Merrill Lynch Research

### Cash flows: Bottomed out, JLR to self sustain

Last year, Tata Motors was dragged down by JLR's negative operating cash flows (minus Rs xxbn), which necessitated additional funding from the parent (\$1bn domestic rights issue as well as partial divestments). We view the next 2 years as follows:

- In FY10E, we expect Tata Motors' standalone operations will require to raise \$500mn (likely equity issuance), and JLR ~\$600mn through loans, both to fund capex/R&D spend and other operating requirements; we expect this to be achieved with ease;
- By FY11E, we expect domestic business to throw out cash well in excess of requirements, enabling repayment of debt, and JLR operations to be self sustaining.

Table 2: Funds flow

	FY10E		FY11E	
	Tata Motors	JLR	Tata Motors	JLR
<b>Sources of Funds</b>				
Cash flow from operations	3,091	10,292	46,499	31,352
Equity issue	19,200	0	0	0
Incl/ (dec) in debt	1,745	29,672	(14,500)	11,869
Investment sale	10,275	0	0	0
<b>Sources</b>	<b>34,311</b>	<b>39,964</b>	<b>31,999</b>	<b>43,221</b>
<b>Requirement of funds</b>				
Capex	25,000	43,518	25,000	43,518
Dividend	6,137	0	8,974	0
<b>Requirements</b>	<b>31,137</b>	<b>43,518</b>	<b>33,974</b>	<b>43,518</b>
Incl/ (dec) in cash	3174	(3,554)	(1976)	(297)

Source: Banc of America Securities-Merrill Lynch Research

### Investment sale only partially considered

Investment sales i.e. subsidiaries, listed securities, Mutual Funds, will likely be the first option to meet funding gap. Our forecasts have only built in sale of investments in Tata Steel (21mn equity shares and 24mn CCPs), aggregating Rs 10bn (\$210mn). In continuation of recent trends, we expect further monetization of operating subsidiaries, this time larger companies such as Tata Finance and Tata Technologies (valued at Rs 10bn and Rs 9bn respectively).

### Equity infusion was factored earlier

We retain our assumption of \$500mn (Rs24bn) equity issuance later this year. We expect the company to tap the market when the business environment improves, which we think is likely in H2 FY10.

### We expect debt levels to stabilize

Tata Motors' consolidated debt of Rs 349.5bn includes loans in JLR, SPV as well as financing business. Of this, JLR's loans are expected to substantially increase over our forecast period. On the other hand, Tata Motors' standalone borrowings are expected to decline on surplus cash generation, enabling it to retire debt.

Table 3: Debt Break-up

(Rs mn)	FY08	FY09	FY10E	FY11E
Standalone	62,805	131,660	133,405	118,905
Subsidiaries (Tata Finance)	53,044	52,100	54,687	72,861
SPV	-	102,290	61,970	61,970
JLR	-	63,440	93,112	104,981
<b>Total</b>	<b>115,849</b>	<b>349,490</b>	<b>343,174</b>	<b>358,716</b>

Source: Banc of America Securities-Merrill Lynch Research

### JLR: Cost restructuring to cut losses

JLR's net loss of Rs 24bn (£307mn) last year is attributed to (1) negative operating leverage, as combined volume sales declined 32% at 167,000 units, (2) high commodity prices, with spot steel prices up 15% YoY, and (3) increased sales incentives on its models. We believe that these variables will turn favourable for the company over the next 12-18 months.

## We expect sharp improvement hereon

We expect reversion to profit by FY11, driven by (1) sharp margin expansion, on specific measures to contain costs, and thereby lower breakeven levels, and (2) back-ended volume growth, on economic recovery and new product launches. Based on revised estimates, we expect JLR to break even on combined sales volumes of ~200,000 units.

Table 4: JLR P&L

(£ mn)	CY08A	CY09E	CY10E
Volume	167,000	178,023	207,423
YOY change (annualized)	-42%	-11.2%	16.5%
Realization	29,778	30,076	30,979
Yoy chg	17%	1%	3%
<b>Net Revenue</b>	<b>4,973.0</b>	<b>5,354.2</b>	<b>6,425.6</b>
Raw Material	3,164.0	3,190.8	3,821.5
Employee cost	569.0	591.4	565.4
Other Operating Exp	1,282.0	1,445.6	1,654.6
<b>EBITDA</b>	<b>-42.0</b>	<b>126.4</b>	<b>384.2</b>
<b>EBITDA (%)</b>	<b>-0.8%</b>	<b>2.4%</b>	<b>6.0%</b>
EBIT	-251.0	-101.5	139.4
Depreciation & Amortization	209.0	227.9	244.8
Interest Payable	31.0	64.7	73.0
Other Income	0.0	0.0	0.0
<b>PBT</b>	<b>-282.0</b>	<b>-166.2</b>	<b>66.4</b>
Exceptional Items	0.0	0.0	0.0
Tax	-25.0	0.0	0.0
<b>PAT</b>	<b>-307.0</b>	<b>-166.2</b>	<b>66.4</b>

Source: Banc of America Securities-Merrill Lynch Research

## Sales outlook remains challenging

We assume 11% annualized decline in JLR sales volumes in FY10 (compared to 10-month period last year), but rebound by 16.5% in FY11. Our expectations are based on:

1. Global economic recovery from the latter half of CY10;
2. Increased penetration into emerging markets such as Russia, China and even India (presently under 5% of Jaguar and 15% of Land Rover sales);
3. New models, e.g. New platform XJ expected by year-end, and Land Rover concept, a smaller SUV with low-emissions scheduled to hit roads late-CY10;

Table 5: JLR volume revision

	FY10E			FY11E		
	Earlier	Revised	%Revision	Earlier	Revised	%Revision
Jaguar	55.3	54.0	-2.4%	60.8	64.7	6.4%
Land Rover	130.6	124.0	-5.1%	143.7	142.7	-0.7%
Total	185.9	178.0	-4.2%	204.5	207.4	1.4%

Source: Banc of America Securities-Merrill Lynch Research

## Margins to expand sharply

We expect EBITDA margins to revert to positive territory as early as FY10, and expand 680bps on a cumulative basis over the next 2 years. This will be aided by higher sales and stable commodity prices. Specific steps to drive this include:

1. Rationalisation of workforce, with unions agreeing to 2,000 job cuts in H2 CY10 (15% lower), along with medium term wage freeze; we estimate this should lower related expenses by GBP 700/car (~20%);
2. Increased outsourcing from low cost destinations to 35% (up from 23% presently); this is expected to save GBP 500/car;
3. Better sales mix from shift to new models, aiding higher ASPs (up 4%), as well as moderation in incentives; this should add an estimated GBP 1,200/car.

### **We expect positive cash generation from FY10**

JLR's exemplary working capital management (extension of vendor payments, and reduction in both debtors and inventory) cushioned operating cash flows last year. It is unlikely that the company will be able to achieve similar efficiency on an incremental basis, in our view, but lower losses should enable JLR to revert to positive cash generation from FY10E.

### **Capex requirements pegged at historic levels**

Management has guided for annual capex at GBP 150mn, and R&D spend at GBP 350-400mn. We have estimated \$550mn annual outlay (~Rs 43bn/year), in line with historic levels. Based on Indian GAAP, the company will continue to charge only 10% of product development related spend through P&L, and capitalize the balance.

### **Borrowings from European bank**

JLR is close to obtaining approval for GBP 340mn loan from European Investment Bank, and is awaiting guarantee from the British Government. This would enable JLR meet its requirements for next 12 months.

## Domestic business close to turnaround

We expect Tata Motors' standalone operations to register 45% EBITDA CAGR over FY09-11E, driven by (1) demand revival, both in CVs due to cyclical recovery, and PVs from new products, and (2) margin expansion due to positive leverage and lower material costs. Strong cash flows and moderating capex will enable company to lower debt and also slow depreciation provisioning. As a result, we expect per share earnings (EPS) to rise ~4.5x during forecast period.

Table 6: Stand-alone P&L

	FY07	FY08	FY09	FY10E	FY11E
Volumes ('000)					
Commercial vehicles	334	353	291	305	354
Passenger Vehicles	245	232	207	210	225
Nano	0	0	0	80	200
Total	579	584	498	595	779
(Rs mn)					
Net Sales	275,708	286,466	254,712	291,718	358,646
EBITDA	33,493	28,705	15,629	28,312	37,166
%Margin	12.1%	10.0%	6.1%	9.7%	10.4%
PBT	25,732	26,916	10,138	17,860	18,875
Recurring Profit	19,409	18,731	3,646	9,340	16,043
EPS (Rs)	47.7	43.9	6.6	17.7	28.9
ROCE	20.7%	17.7%	14.7%	18.7%	17.7%

Source: Banc of America Securities-Merrill Lynch Research

## Commercial vehicles driven by economic recovery

We expect a sharp recovery in CVs, on the back of (1) higher industrial growth forecasts, driving truck demand, (2) government-led initiatives to upgrade public transport, aiding bus sales, and (3) passenger applications improving light vehicle demand. We expect Tata Motors to maintain existing levels of dominant market share in this next cycle, thanks to newer products, better scale and distribution.

Table 7: CV growth by category

	FY10E		FY11E	
	Industry	TAMO	Industry	TAMO
Trucks	2.5%	5.0%	22.5%	22.5%
Buses	17.4%	20.0%	25.0%	25.0%
LCV	8.3%	8.0%	12.5%	12.0%
Total	6.1%	7.5%	18.3%	17.0%

Source: Banc of America Securities-Merrill Lynch Research

## Passenger vehicle growth through new products

Following a reasonably successful launch of the compact model *Indica Vista*, we expect the upgrade of *Indigo* sedan in fiscal 2010 followed by the full scale launch of low-cost car, *Nano*, at an entirely new price point. We believe that Tata Motors will be the fastest growing car company, albeit less profitable. In Utility vehicles we expect market share losses to continue, until launch of new platform in end-FY10 (but this accounts for just 8% of sales).

## Valuation: Attractive, post-correction

Our revised sum of parts value of Rs 365/share (earlier Rs 420), is based on (1) standalone business at 8x EV/EBITDA FY11E, slight premium to previous mid-cycle sector multiple, and (2) JLR at 0.25x EV/Sales FY11E, 30% discount to long term European auto sector average, and (3) subsidiaries in line with peers of constituent business, with a 20% holding company discount.

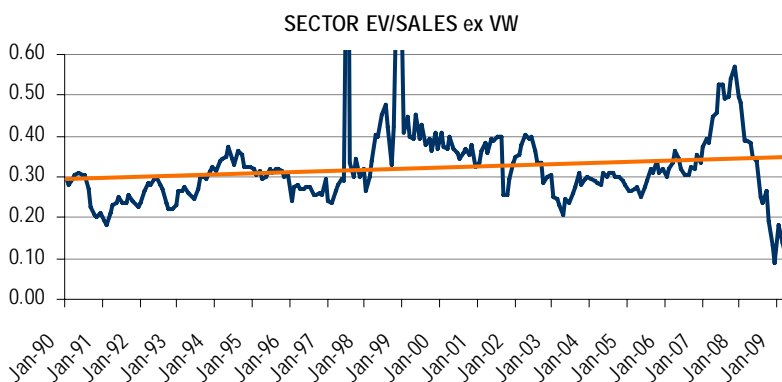
### Standalone value raised

We retain our forecasts, as well as multiple of 8x EV/EBITDA FY11E. However, we raise estimated fair value of standalone business to Rs 355/share (earlier Rs 341), due to the lower net debt assumption, on expected monetization of investments in Tata Steel.

### JLR valued on EV/Sales

Based on BAS-MLe forecasts (see [Sustainable gains](#)), European auto sector trades at 0.3x EV/sales, well below long term average of 0.35x (since 1990). We assign EV/Sales multiple of 0.25x to JLR, ~30% discount to long term sector average. Resultant target EV is Rs 128 bn, and after deducting debt of \$3.8bn (including SPV), we arrive at equity value of minus Rs 70/share (earlier NIL).

Chart 1: European Auto Sector – Long Term EV/Sales



Source: BAS-ML Research

## Revised PO at Rs 365

This is lower than the earlier SOTP-based value of Rs 420 (tabulated below):

Table 8: SOTP Valuation

	Methodology	Imp Multiple	Value/Share(Rs)
Standalone	EV/EBITDA	8.0	354
Jaguar - Land Rover	EV/Sales	0.25	-70
<b>Subsidiaries</b>			<b>81</b>
- Tata Daewoo	EV/EBITDA	4.0	27
- HV Axles (85%)	EV/EBITDA	8.0	6
- HV Transmission (85%)	EV/EBITDA	8.0	4
- Telcon (60%)	P/E	15.0	21
- TACO (26%)	P/E	10.0	9
- Tata Technologies (85%)	P/E	10.0	14
- Tata Finance	P/NAV	1.0	20
Less: Holding co discount			-20
<b>Consolidated Value/Share</b>			<b>365</b>

Source: Banc of America Securities-Merrill Lynch Research



## Price objective basis & risk

### Tata Motors Ltd. (TENJF / TTM)

Our PO of Rs365 (US\$10.5 for ADR) is based on FY11E, being the sum-of-the-parts of: (1) standalone business valued at 8x EV/EBITDA, equivalent to a slight premium to mid-cycle valuations, (2) JLR at 0.25x EV/Sales, 30% discount to long term European auto sector average, and (3) subsidiaries valued in line with comparables, with 20% holding discount. Risks: Economic slowdown to continue, which would adversely affect volume growth, both in domestic operations and JLR. Rising input and interest costs also pose significant earnings risk.

## Analyst Certification

I, S.Arun, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

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### India - Autos Coverage Cluster

Investment rating	Company	ML ticker	Bloomberg symbol	Analyst
<b>BUY</b>	Hero Honda	HRHDF	HH IN	S.Arun
	M & M	MAHMF	MM IN	S.Arun
	M & M -G	MAHMF	MHID LI	S.Arun
	Tata Motors Ltd.	TENJF	TTMT IN	S.Arun
	Tata Motors Ltd.	TTM	TTM US	S.Arun
	TVS Motor	XFKMF	TVSL IN	S.Arun
<b>NEUTRAL</b>	Eicher Motors	XEICF	EIM IN	S.Arun
	Jet Airways	JTAIF	JETIN IN	S.Arun
	Maruti Suzuki India	MUDGF	MSIL IN	S.Arun
<b>UNDERPERFORM</b>				

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India - Autos Coverage Cluster

Investment rating	Company	ML ticker	Bloomberg symbol	Analyst
	Ashok Leyland	XDBVF	AL IN	S.Arun
	Bajaj Auto	XBJBF	BJAUT IN	S.Arun
	Bharat Forge	XUUVF	BHFC IN	S.Arun
	Container Corp	CIDFF	CCRI IN	Sanjaya Satapathy

*iQmethod*<sup>SM</sup> Measures Definitions

Business Performance	Numerator	Denominator
Return On Capital Employed	$\text{NOPAT} = (\text{EBIT} + \text{Interest Income}) * (1 - \text{Tax Rate}) + \text{Goodwill Amortization}$	Total Assets – Current Liabilities + ST Debt + Accumulated Goodwill
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5-Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations – Total Capex	N/A
<b>Quality of Earnings</b>		
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt, Less Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
<b>Valuation Toolkit</b>		
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap. = Current Share Price * Current Basic Shares
Enterprise Value / Sales	$\text{EV} = \text{Current Share Price} * \text{Current Shares} + \text{Minority Equity} + \text{Net Debt} + \text{Sales} + \text{Other LT Liabilities}$	
EV / EBITDA	Enterprise Value	Basic EBIT + Depreciation + Amortization

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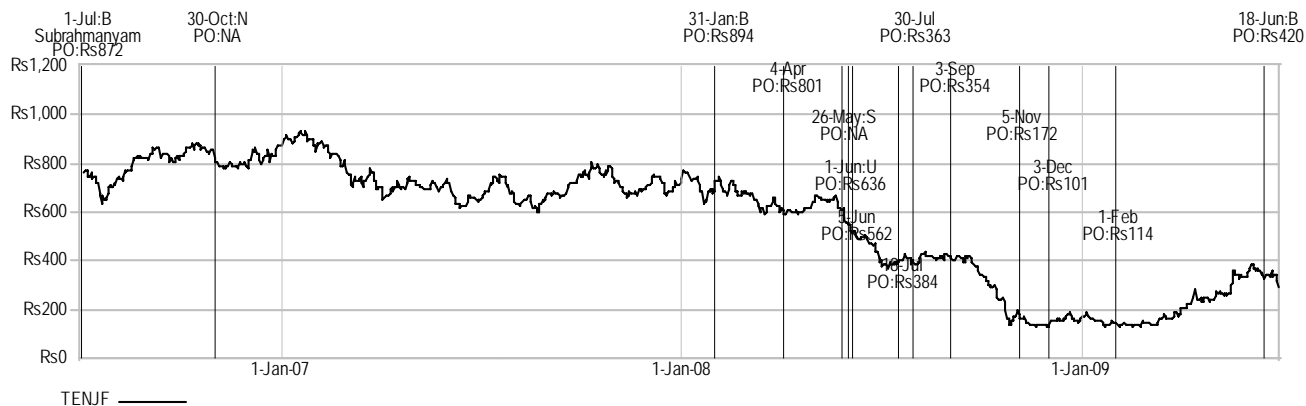
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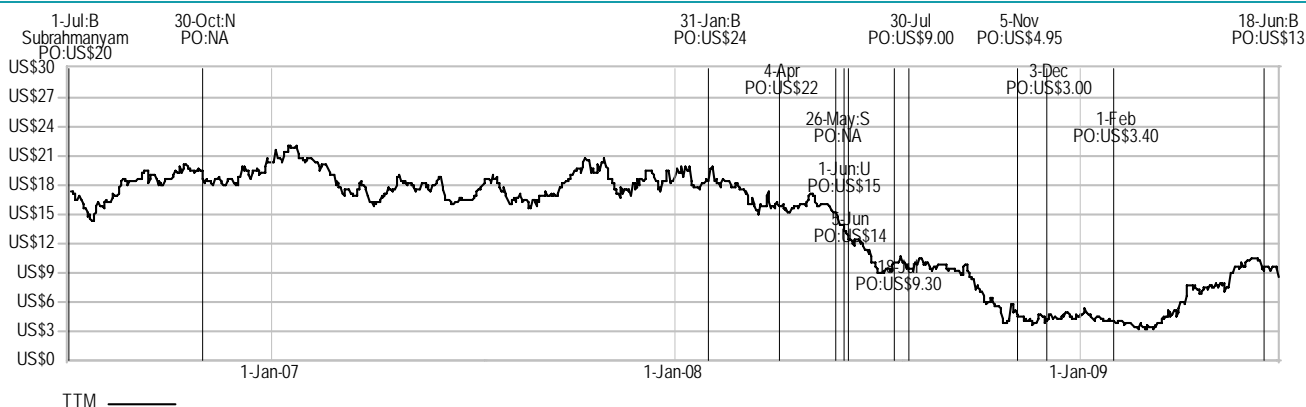
### TENJF Price Chart



B : Buy, N : Neutral, S : Sell, U : Underperform, PO : Price objective, NA : No longer valid

"Prior to May 31, 2008, the investment opinion system included Buy, Neutral and Sell. As of May 31, 2008, the investment opinion system includes Buy, Neutral and Underperform. Dark Grey shading indicates that a security is restricted with the opinion suspended. Light grey shading indicates that a security is under review with the opinion withdrawn. The current investment opinion key is contained at the end of the report. Chart is current as of June 30, 2009 or such later date as indicated. BAS-ML price charts do not reflect analysts' coverage of the stock at prior firms. Historical price charts relating to companies covered as of June 30, 2009 by former Banc of America Securities LLC (BAS) analysts are available to BAS clients on the BAS website."

### TTM Price Chart



B : Buy, N : Neutral, S : Sell, U : Underperform, PO : Price objective, NA : No longer valid

"Prior to May 31, 2008, the investment opinion system included Buy, Neutral and Sell. As of May 31, 2008, the investment opinion system includes Buy, Neutral and Underperform. Dark Grey shading indicates that a security is restricted with the opinion suspended. Light grey shading indicates that a security is under review with the opinion withdrawn. The current investment opinion key is contained at the end of the report. Chart is current as of June 30, 2009 or such later date as indicated. BAS-ML price charts do not reflect analysts' coverage of the stock at prior firms. Historical price charts relating to companies covered as of June 30, 2009 by former Banc of America Securities LLC (BAS) analysts are available to BAS clients on the BAS website."

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Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	33	44.00%	Buy	14	48.28%
Neutral	13	17.33%	Neutral	5	55.56%
Sell	29	38.67%	Sell	15	60.00%

### Investment Rating Distribution: Global Group (as of 01 Jun 2009)

Coverage Universe	Count	Percent	Inv. Banking Relationships*	Count	Percent
Buy	1303	40.83%	Buy	602	51.10%
Neutral	807	25.29%	Neutral	362	51.49%
Sell	1081	33.88%	Sell	394	39.96%

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