

2 November 2012 | 34 pages

Thrifts and Mortgage Finance (GICS) | Banks (Citi)

Asia Pacific | India

# Housing Development Finance Corp. (HDFC.BO)

### New Reasons to Love an Old Love

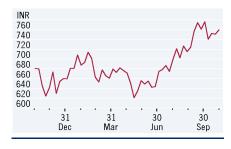
- Reinitiating at Buy with a TP of Rs860 We believe HDFC is in a sweet spot strategically, structurally and cyclically, which should precipitate a virtuous upcycle in loan growth (21%+), ROE (22%+) and stock returns with upside risk. We reinitiate coverage of HDFC, post a lengthy Legal restriction, with a Buy rating and a target price of Rs860. Risks lie in competitive intensity, valuations and higher rates.
- Strategically: A shift HDFC is positioned for a new stage of growth: a) Significant capital generation subsidiaries are now throwing back capital (higher growth, pay-outs and acquisitions?); b) Greater securitization a yield/growth tool; and c) an HDBK merger option falling reserve requirement is a positive. HDFC could be ready to go beyond business as usual.
- Structurally: A move The broader operating environment appears favourable: a) Potential ECB funding (big, if it happens), and recent MF and FII debt limit expansions could be a game changing mix; b) The expanded loan acquisition machinery is firing on all cylinders; and c) Regulatory overhangs have lifted. The 'usual business' is getting easier, competition notwithstanding.
- Cyclically: A swing It is also a nice time to do business: a) Easing liquidity and interest rates are good for funding; b) The mortgage market appears to be bouncing back (+31% HDFC growth in 2Q13); and c) Competitor banks are hamstrung with base-rate-linked pricing constraints. A good festive season is ahead.
- **Profitably:** As always HDFC should generate a three-year net profit CAGR of 18%, loan growth of 21% and a sustained ROE of +22% in FY13-15E. The key risk lies in competitor intensity and irrationality, which would erode spreads.
- It's all coming together We see a very favorable strategic, structural and cyclical confluence in play to comfortably justify an SOTP-based target price of Rs860, with the core business at 4x FY14E PBV.

Company	U	pdat	е
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- Rating Change
- Target Price Change
- **■** Estimate Change

Buy	1
from Sell/Low Risk	
Price (01 Nov 12)	Rs758.00
Target price	Rs860.00
from Rs250.00	
Expected share price return	13.5%
Expected dividend yield	1.6%
Expected total return	15.0%
Market Cap	Rs1,167,379M
	US\$21,696M

Price Performance (RIC: HDFC.BO, BB: HDFC IN)



Year to	Net Profit	Diluted EPS	EPS growth	P/E	P/B	ROE	Yield
31 Mar	(RsM)	(Rs)	(%)	(x)	(x)	(%)	(%)
2011A	35,350	23.80	22.4	31.9	6.4	21.7	1.2
2012A	41,226	27.57	15.8	27.5	5.9	22.7	1.5
2013E	48,646	31.39	13.8	24.2	4.6	22.1	1.6
2014E	57,172	36.89	17.5	20.5	4.1	21.4	1.7
2015E	67,229	43.38	17.6	17.5	3.6	22.2	2.0

Source: Powered by dataCentral

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#### See Appendix A-1 for Analyst Certification, Important Disclosures and non-US research analyst disclosures.

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Fiscal year end 31-Mar	2011	2012	2013E	2014E	2015E
Valuation Ratios					
P/E adjusted (x)	31.9	27.5	24.2	20.5	17.5
P/E reported (x)	31.9	27.5	24.2	20.5	17.5
P/BV (x)	6.4	5.9	4.6	4.1	3.6
P/Adjusted BV diluted (x)	6.5	5.9	4.7	4.2	3.7
Dividend yield (%)	1.2	1.5	1.6	1.7	2.0
Per Share Data (Rs)					
EPS adjusted	23.80	27.57	31.39	36.89	43.38
EPS reported	23.80	27.57	31.39	36.89	43.38
BVPS	118.05	128.76	163.12	185.04	211.22
Tangible BVPS	118.05	128.76	163.12	185.04	211.22
Adjusted BVPS diluted	116.66	128.72	161.19	181.07	204.76
DPS	9.00	11.00	12.00	13.00	15.00
Profit & Loss (Rsm)					
Net interest income	44,646	53,181	64,396	76,233	88,284
Fees and commissions	2,455	2,897	3,187	3,505	3,856
Other operating Income	6,080	5,897	6,597	7,707	9,060
Total operating income	53,181	61,975	74,180	87,445	101,199
Total operating expenses	-3,812	-4,519	-5,198	-5,944	-6,801
Oper. profit bef. provisions	49,370	57,456	68,982	81,501	94,398
Bad debt provisions	-700	-800	-1,418	-1,540	-1,668
Non-operating/exceptionals	0	0	0	0	0
Pre-tax profit	48,670	56,656	67,564	79,961	92,730
Tax	-13,320	-15,430	-18,918	-22,789	-25,501
Extraord./Min. Int./Pref. Div.	0	0	0	0	20,001
Attributable profit	35,350	41,226	48,646	57,172	67,229
Adjusted earnings	35,350	41,226	48,646	57,172	67,229
Growth Rates (%)	00,000	11,220	10,010	01,112	01,220
EPS adjusted	22.4	15.8	13.8	17.5	17.6
Oper. profit bef. prov.	24.2	16.4	20.1	18.1	15.8
Balance Sheet (Rsm)	27.2	10.4	20.1	10.1	10.0
Total assets	1,395,021	1,675,199	1,980,669	2,370,189	2,833,629
Avg interest earning assets	1,188,976	1,437,800	1,726,383	2,072,159	2,496,823
Customer loans	1,179,305	1,416,391	1,720,303	2,072,139	2,490,023
Gross NPLs	9,903	12,328	15,184	18,649	22,851
Liab. & shar. funds	1,395,021	1,675,199	1,980,669	<b>2,370,189</b>	2,833,629
Total customer deposits	246,251	362,928	424,626	501,058	596,259
Reserve for loan losses	8,039	12,180	12,180	12,180	12,180
Shareholders' equity	173,165	190,176	249,811	283,387	323,467
Profitability/Solvency Ratios (%		130,170	243,011	200,001	323,401
ROE adjusted	21.7	22.7	22.1	21.4	22.2
Net interest margin					
Cost/income ratio	3.75	3.70	3.73	3.68 6.8	3.54
Cash cost/average assets	7.2	7.3	7.0	6.8	6.7
_	0.3	0.3	0.3	0.3	0.3
NPLs/customer loans	0.8	0.9	0.9	0.9	0.9
Reserve for loan losses/NPLs	81.2	98.8	80.2	65.3	53.3
Bad debt prov./avg. cust. loans	0.1	0.1	0.1	0.1	0.1
Loans/deposit ratio	478.9	390.3	405.9	418.5	428.0
Tier 1 capital ratio	11.0	11.7	13.7	13.0	12.3
Total capital ratio	13.7	14.6	16.4	15.6	14.5

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### Citi Research

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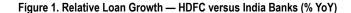
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# **A Love Story**

### The First Love

A market darling...for the right reasons

We reinitiate coverage of HDFC, post a lengthy Legal restriction, with a Buy¹ rating and a target price of Rs860. HDFC – needs no introduction – has been one of India's most loved stocks over the past two decades, but here's why it is what it is. It has over this period grown its asset book at a 10 Yr CAGR of 23% and profits at a CAGR of 22% (and consistently), and the stock has returned 28% pa. Probably, more importantly, it has done so in an almost linear fashion – consistently, without any material ups or downs, or changes in management, strategy and business profile. This high-growth, profitability and consistency also stand out in the broader financial sector in India, which fundamentally has also prospered.



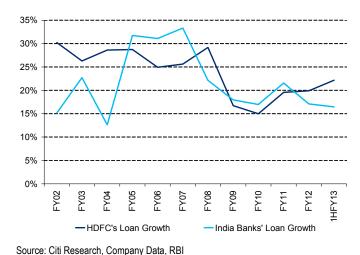
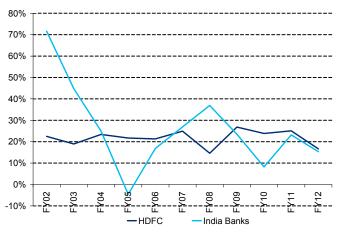


Figure 2. Relative Profit Growth — HDFC versus India Banks (% YoY)



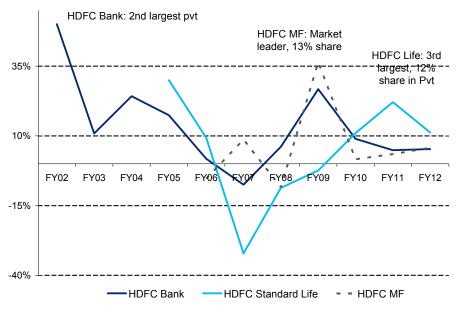
Source: Citi Research, Company Data, RBI

The business, the management and the subsidiaries

HDFC's way of doing business, we believe, has also been ingrained in its subsidiary businesses that straddle banking, life insurance, asset management and general insurance. Each of these businesses enjoys market leadership, generates above-industry returns, has a low tolerance for risk, and their management teams exhibit significant credibility and stability. These have further enhanced HDFC's franchise, added value and positioned the group as India's premium financial sector player.

<sup>&</sup>lt;sup>1</sup>Our previous rating was Sell/Low Risk. Prior to October 8, 2011, the firm's stock recommendation system included a risk rating and an investment rating. Risk ratings, which took into account both price volatility and fundamental criteria, were: Low (L), Medium (M), High (H), and Speculative (S). Investment Ratings of Buy, Hold and Sell were a function of our expectation of total return (forecast price appreciation and dividend yield within the next 12 months) and risk rating.

Figure 3. HDFC Subsidiaries — Growth Rates Relative to Respective Industries (%)



Source: Citi Research, Company Data

+2 SD

HDFC's consistently high and relative premium valuations reflect the market's affection for the business

This mix along with the management premium that HDFC has in our view deservedly earned has reflected in the stock's valuation premium. While relative premiums have tended to swing – higher in a challenging environment and lower in more aggressive and easy-money environments – they have been fairly steady over time and tended to grow. The markets and investors, not surprisingly, have long loved the HDFC story. So it's an old love story.

Figure 4. Relative Valuation: HDFC 1 Yr Fwd P/BV vs Citi's Banks Index  $300\%\ \ _{\Box}$ 

150% - 150% - 150% - 2 SD

Nov-04 Nov-05 Nov-06 Nov-07 Nov-08 Nov-09 Nov-10 Nov-11 Nov-12

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Source: Citi Research, Bloomberg

250%

200%

Source: Citi Research, Bloomberg

But HDFC could be looking at a new stage of growth

All investments done...and as subsidiaries start generating strong returns...cash is beginning to flow into HDFC...and it will be sitting on increasingly surplus capital

Life Insurance will be the lumpy one, and will be the Delta ...dividends (1-3 years), and possibly a stake sale in an IPO, along the way

Throwing up capital and more options .....more growth, higher pay-outs and even acquisitions across the group...management seems ready for it

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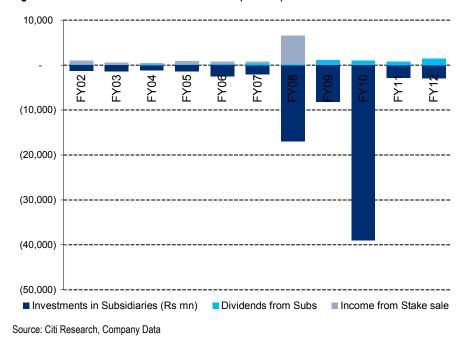
# Thinking Strategic: Subs Have Grown Up

While HDFC's own business has continued to grow and mature, we believe it has an increasing number of strategic options ahead. These are not necessarily new, but with its maturing subsidiaries, and a developing financial system, HDFC has the option of tweaking its business ahead. These are also not binary, and HDFC could well do, or be influenced by, one or more at the same time. It could also choose to do very little – which is what it has done for a while, and this is something that has served it well all these years. But we sense change ahead.

# Capital generator - as subsidiaries/associates mature

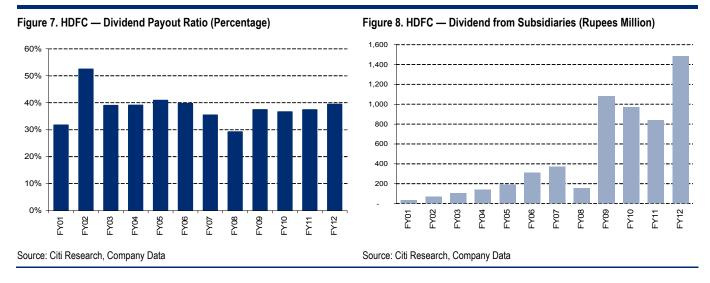
HDFC has been consistently investing in its subsidiaries over the last 15 years – HDFC Bank, Life Insurance, the AMC and General Insurance – a mix of growth capital, and its desire to maintain a certain level of shareholding (HDFC Bank). We believe this cycle is now done for Life Insurance, the AMC and General Insurance. HDBK too is unlikely to need additional capital with the frequency of the past, and HDFC's 23%+ stake might afford it the luxury of not participating in a new raising and still maintain its stake at over 20%, which has been its stated objective.





We believe the capital cycle is now positioned to reverse – with the insurance business likely to start paying dividend over the next 1-3 years (and the likelihood of listing/stake sell-down over time), we believe HDFC could well start getting into a significant capital-generation cycle. HDFC Bank and the AMC should see steady increases in dividend.

We foresee a change in the return structure and capital management of HDFC 's business – rising dividend pay-outs, potential capital buybacks and the resultant higher ROE. Or HDFC could well use more of its capital, i.e. higher growth (in evidence in the last quarter). It could also suggest greater appetite to use its increasing capital by buying assets or businesses, though there are only limited opportunities across the broader space the group operates in.



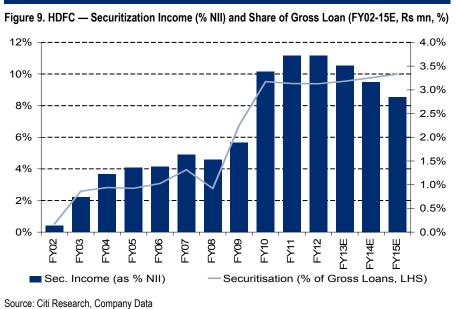
On-off approach to securitization so far ...in part because of market, and regulations..... but in part because not decided on the return – balance-sheet trade-off that goes with it...

We would expect greater securitization...boosting yields

# Securitization option: Higher returns, or higher growth

HDFC has a relatively soft or on/off experience / commitment to securitization. This has been in-part on account of a broader acquirer market that has varied with the environment and an operating environment that has been inconsistent (regulatory and tax). However, HDFC too has been a little ambivalent towards it over the years. This is in part because of the regulatory uncertainty and swings surrounding the product. In addition HDFC too has been unsure on whether to keep its growth on its books, or to trade off higher returns with lower balance-sheet growth.

What HDFC has so far largely done is keep the majority of this growth on balancesheet, and securitized relatively smaller portions. This too has been primarily to HDFC Bank (as a part of its sourcing arrangement); and the aggregate portfolio stands at about 9.4% of its outstanding book. We would expect that to rise.

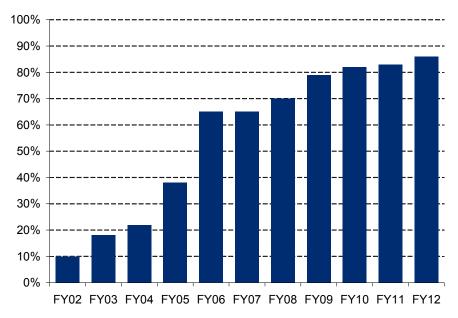


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Securitization economics remain robust...but will be nominally lower, and the challenge lies in finding an acquirer market

HDFC's current securitization portfolio is very profitable; about 1.4% spread, with limited capital allocation against. This is set to change on the back of regulatory changes; average yields are likely to head towards about 1% (90bps for HDFC Bank), but HDFC will no longer need to take any credit costs (or allocate capital against this portfolio), and its administrative costs against this will also come down.

Figure 10. HDFC — Share of Sourcing from Third Party Channels (FY02-FY12, %)



Source: Citi Research, Company Data

Aggressive loan growth in 2QFY13 (+31%) – suggests HDFC could have enough loan acquisitions to grow balance-sheet and the off-balance-sheet book

Not new...and regulations or business momentum have not changed enough for a push to merge...

While there remain some regulatory / tax challenges with securitization, we believe securitization fundamentally offers HDFC significant upside – the potential to arbitrage its credit skills and low operating costs, and its ever broadening distribution (albeit at some acquisition cost). This would also offer HDFC the potential to generate higher asset acquisition and growth (in recent evidence, +31% disbursement growth in 2QFY13) – a trend one should look out for.

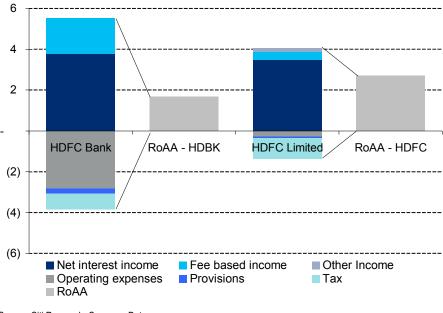
### Merger option with HDBK

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This is not new – but has clearly shifted off the centre-stage, relative to a few years ago. It also remains a little un-economical at this stage, given the still high reserve ratios (CRR+SLR) that commercial banks carry. In addition, there is a lack of regulatory clarity on the bank holding company option and tax-related issues – an option that could also have been considered.

In addition, from an economic stand-point, the incentive to merge has probably moderated a bit. This is because of the strong economics of both businesses, closer to the end of the capital need requirements of HDFC Bank, and the significant synergies that HDFC – HDFC Bank have generated, as also the broader HDFC group (Insurance and Mutual Fund businesses).

Figure 11. RoAA Decomposition — HDFC and HDFC Bank (% of Avg. Assets, FY12)

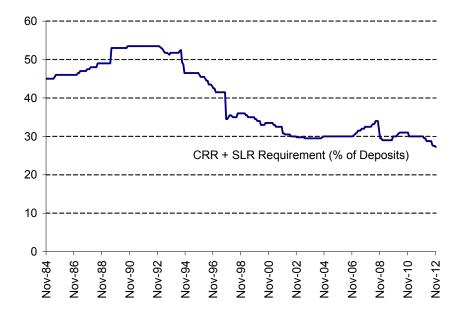


Source: Citi Research, Company Data

High reserve requirements – the primary push-back to a merger between the two – have been coming down; probably still too high, but there could be more talk

We do, however, believe that the primary push-back to the merger – the high regulatory costs of the SLR and CRR – has eased a bit, as both have moderated. They collectively stand at about 27.25% currently - probably still too high to warrant a quick move. We would however expect this to come onto the table if SLR + CRR continue to move down. It's early days, but given it will probably be more in consideration as greater capital leverage and optimization strategies take centre stage.

Figure 12. Falling Reserve Ratios – Historical SLR and CRR Requirements (% of Deposits)



Source: RBI, Citi Research

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2 November 2012 Citi Research

Strategically, at a turning point...?

Strategically, we believe HDFC might be at a turning point, with greater optionality, on capital, growth and its business structure than in a long time. We also believe it is not an either or scenario – there probably will be higher growth, greater securitization, higher capital distribution and more working together with HDFC Bank, and its other subsidiaries. We expect more strategic change and initiatives than we witnessed over the last few years.

# The core businesses' operating

environment could be looking up

HDFC's funding has worked well ...but it has had challenges, constraints and has been potentially the weak link in its business model

# Structurally – Ready for the Best Years

HDFC's operating environment (regulatory and competitive) - the platform of its core mortgage business - also appears very favorably positioned, in our view. It's in part a regulatory expectation, in some measure a franchise that is well positioned, and in part it is about the competitive landscape.

# Funding – ready to open up

HDFC has been very flexible with its broader funding profile – consistently shifting between the more whole-sale versions of its funding (Bank term lending and Financial markets) and retail deposits. This mix has varied with interest rates, liquidity and the competitive environment, and HDFC as stated, has managed a fine balance (more deposits when rates / liquidity are tight, more whole-sale when the environment is easier). But we believe funding has been a challenge for HDFC, and if there is any potential vulnerability in its business model, we believe it would lie in potential constraints in its funding options.

Figure 13. Outstanding Funding Mix (Percentage)

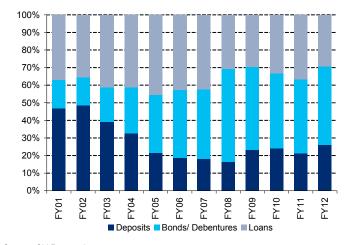
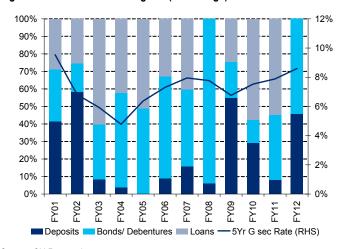


Figure 14. Incremental Funding Mix (Percentage)



Source: Citi Research Source: Citi Research

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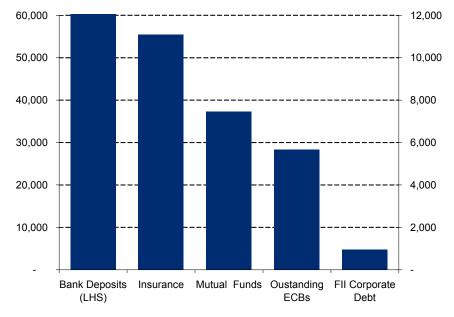
But if ECB funding opens up for HDFC (we think it's likely near term), it could be big

It would be long term, should be attractively priced...and the pool could be very large

We believe there are structural upsides ahead. These would lie in the offshore funding option (External Commercial Borrowings – ECB's) being opened up to HDFC and other housing finance companies. When will this happen? It remains hard to call (RBI / Government needs to take the decision), but with the government progressively raising foreign investment limits in debt categories, infrastructure finance companies now allowed to raise offshore debt, in our view, it's more a when rather than an if.

This is particularly so because such funding would be long term (which the RBI/Government prefer), would be restricted to only a handful of HFCs, and is mortgages - an extremely prioritized area of lending, as far as the regulator is concerned. We believe this could open up a significant vista / opportunity for incremental funding for HDFC. And it should be attractive from a pricing and maturity perspective.

Figure 15. Funding Options – Bank Deposits, Insurance, Mutual Funds, ECBs and FII Corporate Debt (Rupees Billion)



Source: Citi Research, AMFI, IRDA, SEBI, RBI

Expanded limits for FII investments in debt is already a boost...11% of HDFC's bonds are held by them

And the domestic debt MF window has been expanded...

These funding boosts could be material

Loan disbursals grew 31% in 2QFY13 – has something changed materially

It could be its distribution...has expanded and broadened substantially, and appears capable of supporting substantially higher growth levels The relatively aggressive opening up of FII debt investments in corporate debt is also helping HDFC, as foreigners can now access HDFC paper in local currency. This is already an important source of funding for HDFC (11% of its paper issued in FY12 was held by foreigners). With the significant increase in limits in the recent past we believe this should be an increasing source of funding.

Domestic Mutual Funds – A new Window: One of the primary borrowers for HDFC's bonds/debentures are the MF's, and HDFC was getting a little capped out as MF's had a 30% cap on aggregate exposures to finance companies. SEBI has now provided an additional 10% exposure limit for HFCs, effectively opening up a Rs500 billion new market. This is probably priced in to near term funding costs – but could be a meaningful positive, medium term.

This mix could materially boost HDFC's funding options – greater availability and flexibility, possibly lower costs, and fundamentally lower risk. Some of these gains are already in – but medium term, these could materially enhance HDFC's balance-sheet, P&L and growth management.

### Growth & distribution – more broad-based

The growth option: HDFC's retail loan disbursals grew 31% in the most recent quarter – a significant step up over the last few years. And this is in an environment that until recently was tough. Is this an aberration, or could it be a recurrent theme. And if so, how is it possible?

We argue that this could be a recurrent theme, given its distribution expansion and spread. In fact, a big evolution of HDFC's business over the decade has probably been on the distribution side, where it has shifted from a branch walk-in customer model to a substantially more diversified one. This model has also evolved from one that was fairly out-sourced as also dependent on HDFC Bank, that now has a much better balance between its different constituents.

DSAs, 14%
HDFC Bank, 29%

HSPL, 46%

Figure 16. HDFC — Distribution Mix of Sourcing of Loans (As on 30 Sep,2012)

Greater push, a higher variable cost...but credit and control remain in-house...

It's a great market and competitive intensity comes and goes....but for such an attractive market, it's not that competitive

We believe this distribution structure is key to some of the more aggressive loan growth witnessed in more recent times: it is scale, variable pricing / costs, keeps credit / risks management in-house, and can be further expanded. It is also reasonably balanced across players, and so its dependency on a distributor tends to be relatively limited. While HDFC's distribution has always been strong, it is now more broadbased than before, adequately incentivizes its distribution agents (1% of loan), and we believe is better positioned than before to step up growth, if it so desires.

### Competitive landscape – relatively barren

Source: HDFC

While mortgages have been much loved in India as an asset class, given its growth and credit profile, it is probably less competitive than what one would expect. This is in part because of regulatory and market structures (hard for non-established HFCs to get long-term funding), in part because the dominant government banks have not been able to push the product effectively enough – relying solely on walk-in customers, and in part because private sector peers have had an on-off approach to the product, given profitability levels that in cases are less attractive than what they see on the corporate side of the business. This has effectively meant that the competitive landscape has remained somewhat stable, limiting competition that could be distortive for both pricing and risks.

Figure 17. Competitive Landscape — India Mortgage Loans Market (As on FY12, Rupees Mn, %)

	HDFC	LIC HF	ICICI Bank	SBI	Axis	Other SCBs				
Current Rate (%)	10.75	10.80	10.50	10.25	10.75	10.5-11.5				
Home Loans (Rs mn)	1,404,211	630,802	576,640	1,027,390	281,775	1,998,900				
Share of Loan Book (%)	100%	100%	23%	11%	16%	7%				
Overall Market Share (%)	24%	11%	10%	17%	5%	34%				
5 Yr Home Loans CAGR (%)	20.0%	29.1%	-2.0%	25.2%	40.8%	9.2%				
3 Yr Home Loans CAGR (%)	18.1%	31.6%	0.0%	23.9%	39.3%	8.9%				
Source: Citi Research, Company Data										

And while the festival season brings some pricing competition...HDFC is not seeing any of the extreme bouts of competition witnessed in the past The most recent market scenario suggests little change – a few players are more aggressive, but the system has stayed relatively stable. We could see enhanced competition if the broader economy remains weak / asset quality build-up, which could see a shift to mortgages. Else, it remains a fairly benign environment for HDFC – giving it the flexibility to better calibrate its growth and profitability than has been the case in the past.

### It's been an overhang...

# Regulatory tightening – almost all done?

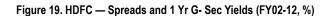
The Indian financial system has faced an evolving regulatory environment – a general tightening of norms, in line with global trends. This has affected mortgage players including HDFC, and has been an overhang. We believe this is probably almost all done – and therefore incrementally, should limit risks. In fact, risks, if any, would potentially lie more to the upside.

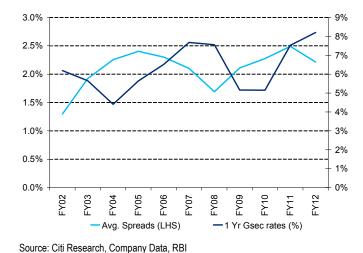
Figure 18. Regulatory Scenario for Housing Finance Companies - Changes across Parameters

Parameters	Earlier	Now	Status
Asset Quality	180 days	90 days	Already in Sync
General Provisioning	25bps	40bps	Significant surplus provisioning
Securitization	Allowed	Non Risk Sharing only	Potential change in model
Capital Adequacy	12%	12%	Risk of a raise
Basel 3 Impact		No specific guidelines	Banks more at Risk
Pricing	Few restrictions	Base rate linked, no prepayment penalties	Already
MFs funding	30% NBFC cap	30% + 10% for Housing Finance cos	Will free up to Rs500b of additional funding
FII investment in corporate debt	\$15bn	\$20bn	Increased from \$6bn in 2008
ECBs	Not allowed	Not Allowed	High probability of being allowed
Source: Citi Research, NSE, RBI, NF	НВ		

But seems to be largely done

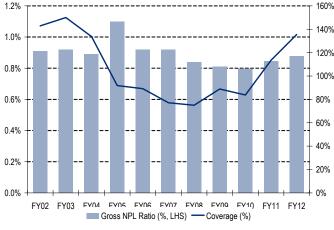
The regulatory environment has been tightening, as is the case globally, in the Indian Financial sector – and more so in the non-banking sector. This has been an overhang. And HDFC has had to face a more restrictive policy environment on NPL recognition, general provisioning (on dual rate loans), changes in securitization and only its loan pricing flexibility. Bottom-line, this has weighed down HDFC. We think these overhangs are probably over now; the one outstanding one remains on a potential hike in capital-adequacy norms. Given HDFC's significant Tier 1 cushion, it should not be an issue.





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Figure 20. HDFC — Gross NPLs and Coverage Ratio (FY02-12, %)



Source: Citi Research, Company Data

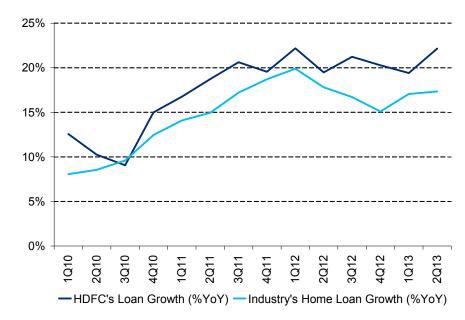
# The Cycle: Ready to Get Up and Dance...

While HDFC's business has been relatively indifferent to the structural environment, we believe its current cyclical outlook is favorable on three counts.

Growth is up 31% yoy...the darkest days of the property market seem past, and the festive season is upon us

Loan demand – growth option: HDFC has already witnessed some acceleration in loan demand in the most recent weeks. More importantly, in our view, with interest rates beginning to move down and average property rates having stayed somewhat stable for the last few years, we would expect broader industry growth to rise. We believe a step-up in underlying mortgage demand should not only improve growth upside for HDFC, but also offer greater pricing flexibility.

Figure 21. Growth in Home Loans — HDFC versus the Overall Industry (% YoY)



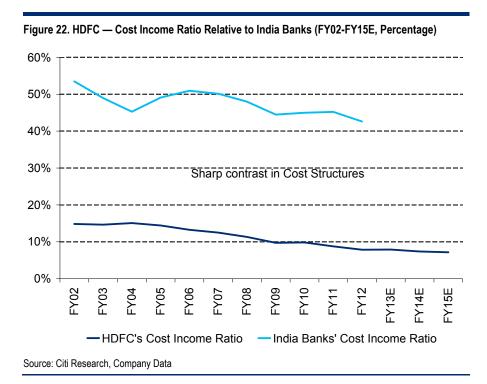
Source: Citi Research, RBI, Company Data

Pricing competition remains somewhat restrained....though the festive season noise has started ...and disruptive pricing can hurt

Liquidity is easing, rates are falling.....this works best for HDFC...particularly when market rates fall more than policy ones

But there will be more competition too: Slackening corporate demand and rising asset risks in the broader economy have historically seen the broader banking sector move in more aggressively to the mortgage market. We see this beginning to happen this time around too – and this will potentially be a challenge for HDFC. This will likely be a challenge this time too, though it has so far appeared relatively restrained. HDFC, however, does carry the risk of irrational pricing competition from banks. It has happened in the past, and can play up again: if banks struggle for growth, are constrained by asset quality on account of the weak industrial cycle, or want to build a strong market presence. This could be HDFC's biggest challenge given its moderate spreads and dependence of NII.

Easy liquidity, falling rates – a bonus: HDFC is primarily a wholesale borrower (~75% of funds), with about 24% of its deposits generated through its retail deposit program. We believe the current easing liquidity and interest rate environment (we expect a 50bps cut) should make funding for HDFC both easier, and cheaper, than when liquidity is tight, and relative to more retail deposit-funded banks (which are its primary competition). While we believe some of this has already played through in incremental borrowing costs (which have fallen 25-75bps) over the last quarter, it should fundamentally support easier funding, and raise flexibility, going forward. Works best when liquidity eases but policy rates do not fall; like currently, where there is downward pressure on pricing



Banks ...HDFC's primary competition – given some fixed funding and cost structures, are constrained in a falling rate environment

Falling rates work for HDFC's business...and its stock

A falling interest rate environment also creates problems for its primary competitors, the banks. This is because 30-45% of their deposits are typically fixed rate (CASA), so their costs tend to be relatively rigid as rates go down. And they operate off significantly higher operating cost structures vs HDFC (1.2-2-2% of assets, vs 30bps for HDFC). This effectively sets a much higher spread bar for banks, and beyond a certain level of interest rates, tends to become a meaningful constraint.

We believe at the aggregate, an easier interest rate / liquidity environment has played to the advantage of HDFC – in growth, and stock returns, and we believe this time should be similar.

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HDFC should continue to grow rapidly, and profitably

3-year CAGR of 18% in earnings, 20% balance-sheet growth.....risks to the upside

Higher loan growth...on and off balancesheet.....the primary driver of upside expectations

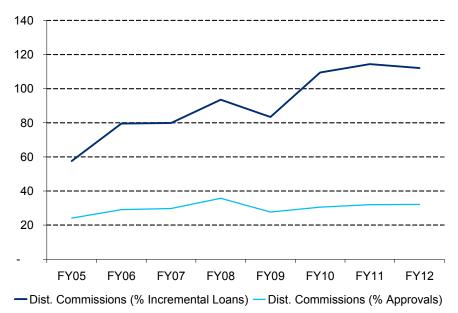
# ...And Keep Pace With the Young Ones

HDFC's consistent and strong growth also now means that it has a big balance-sheet, it needs to grab even larger business to maintain its growth rates, and do so profitably to maintain its fundamentally high profitability (ROAA: 2.7%). Can it do so without impacting its risk or return profile?

We expect HDFC to generate an 18% CAGR in earnings over FY12-FY15E, marginally lower than its 22% average over the last three years. This should be on the back of balance-sheet growth of 20% pa, with some acceleration in its securitized pool. The earnings composition should also not alter materially – but we do expect a greater bias towards NII, as fee incomes moderate (and is also increasingly offset in acquiring new customers), and treasury gains (sale of investments) moderate.

While HDFC's earnings trajectory and balance have been very predictable over the years, we see upside to earnings. It could come from more rapid loan growth (on balance-sheet, or through greater securitization), as we have argued previously in this report. We also do not believe it will be an either or scenario – it's more likely to be a mix of higher balance-sheet growth, as also more securitized assets that lie off balance-sheet. We do expect the share of securitization in NII to go up, and explicitly model and highlight it in Figure 9.

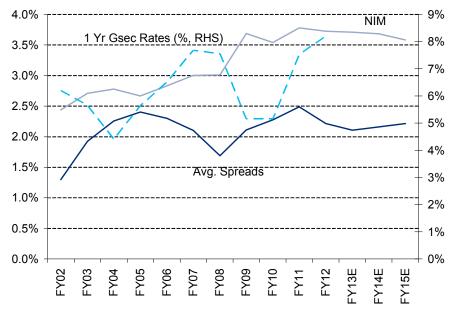
Figure 23. HDFC — Distribution Commissions As % of Approvals and % of Incremental Loans (FY05-FY12, Bps)



Source: Citi Research, Company Data

Loan acquisition costs will rise ... and they effectively do impact upfront profitability, given that an increasing share of growth is through third parties Is there a cost to this higher growth – yes, a mix of slightly higher operating cost, but more importantly (and variably) greater loan acquisition costs. These costs will rise as growth (on and off-balance-sheet) rises – and the costs will tend to be upfronted, but will tend to add to overall returns, as the balance-sheet growth. We do expect at least 1-2 years of operating costs to be on the higher side to – as HDFC is expanding its office space through some incremental rentals.

Figure 24. HDFC — Spreads, NIMs and 1 Yr GSec Rates (FY02-15E, Percentage)



Source: Citi Research, Company Data, RBI

Spread risk...is there...

But, the big question – can spreads and margins hold, in what will be a competitive environment, what is effectively a commoditized product – HDFC has limited pricing power (a 25bps premium to the market average is what we believe), and the effective cost of accelerating growth (which we anticipate) at the pricing level. In addition, HDFC's balancing of its retail / wholesale asset book will influence spreads – the higher the share of wholesale, the better the overall profile of spreads should be.

...but easier to handle in a falling rate environment

We would expect a slight, albeit gradual, decline in spreads – the pace determined by what happens on HDFC's funding front, the pricing response of banks at the aggregate, and most critically, the broader interest rate environment. The lower the interest rates go, the better it is for HDFC's spreads – the higher they go, the more challenging it gets. Bottom-line, we see an easier and lower interest rate environment near and medium term, which should be fundamentally favorable to HDFC.

The accounting question ...some spot light on how HDFC has accounted for one-off provisions, and its accounting for certain funding

There has been some recent spotlight on HDFC's accounting practices, on two counts. These are: a) Adjusting for stepped up provisioning directly via the balance-sheet; and b) Funding by way of Non-convertible debentures (NCDs), where as per Indian accounting, interest is debited to the balance-sheet, and does not flow through the P&L (or impact spreads).

The provisioning was for a one-off, has largely been released, and is now sitting as surplus provisions in its books...not an issue, in our view

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In our view, on one-off provisioning through the balance-sheet: was a prudentially mandated provisioning by the regulator, has been largely released, and will now sit as surplus provisions against loans. That management has meaningfully raised credit costs through the P&L suggests there will only be more coverage going forward, and this will only add to loan coverage

The NCD... has been the case for a while, can be argued both ways, but is as per accounting, disclosed, for the stated purpose of investing in subsidiaries, and will likely be less significant over time...

Comfort on capital....and regulatory requirements should remain the same (12%, with 6% Tier 1)

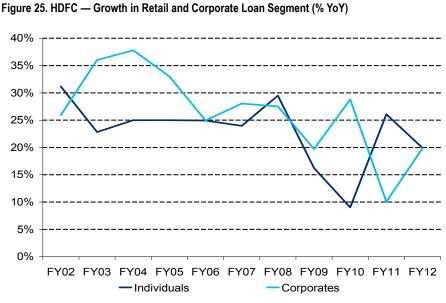
Wholesale assets are higher yielding and higher risk.....and until recent years had grown more rapidly

On the NCDs, management has some time argued that this funding is for its investments in its subsidiaries; and they would likely follow the same form of funding, if they were to invest more in their subsidiaries. This is not funding for the base business, and so should not impact its P&L. We estimate, if routed through the P&L (accounting norms are that it should be directly from the BS), it would moderate spreads by about 30bps. While this can be debated either ways, but given that it is disclosed, adjusted for, will likely fall as the rest of the businesses grows, we do not believe it is material for estimates, or the stock, from here.

HDFC will be generating surplus capital – as argued previously, and so should generally be comfortable on adequacy. We also believe that its current capital adequacy requirements (12%, Tier 1 at 6%) are unlikely to change from a regulatory perspective; that should provide HDFC with enough capital to grow more aggressively. And as we have argued, we do expect to be more aggressive in utilizing its capital – dividend payouts, more growth and potentially some acquisition activity, if an opportunity arises.

### The portfolio balance, and return, option

HDFC's 68%/ 32% Retail / Wholesale asset portfolio has faced some scrutiny over the recent past, given that spreads are disproportionally higher on the wholesale book, as also over the recent years the asset risk has been higher than the retail book than over the last two decades. That growth had been higher than retail in FY09/10, the broader property market was perceived to be under greater stress and asset risk, and it is a market where the brand franchise counts for less relative to retail, has also been under question.

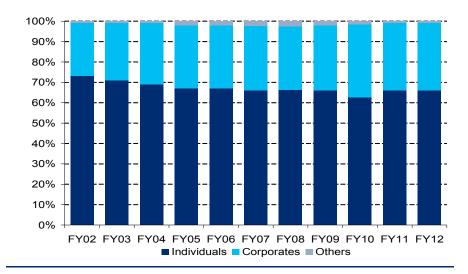


Source: Citi Research. HDFC

We think it's fair and necessary to have the portfolio ...lends flexibility, ties in with core business...and HDFC has a significant edge to it

Importantly, we believe this portfolio is synergistic with the retail portfolio (and in some measure with HDFC Property Funds), adds to premiums' HDFC's credit capabilities and HDFC's overall business is stronger with wholesale as part of the pie. As long as HDFC can demonstrate its ability to manage the mix around an average level (i.e. no structural shifts away from either part of the portfolio), we believe it's probably more of a value add than a drag. So what does that mean - our view would be a 75:25% mix is probably fair – around which the mix can vary depending on the cyclical environment.

Figure 26. HDFC — Outstanding Loan Mix (Percentage)



The corporate book, while lumpier, riskier and a bigger user of capital, is more profitable too. We believe a judicious share is appropriate; a 'mortgage-only' book is too rigid, restrictive and lets go the higher return opportunities.

Also leverages HDFC's credit skills, and its low-cost operating structure

Figure 27. HDFC - Yield and Spread Differentials between Retail and Corporate Segments (%)

	Yields	Borrowing Cost	Spreads	Historical Range	Fee Component
Retail	11.4	9.5	1.9	1.8%-2.0%	Lower
Corporate	14.0	11.2	2.8	2.8%-3.0%	Higher
Source: HDFC					

Should be a trend-line 18% profit growth over the next three years

Figure 28. HDFC — Profit and Loss Account (FY09-FY15E, Rupees Million) Year to 31 Mar FY09 FY10 FY11 FY12 FY13E FY14E FY15E Income from rupee loans 99,310 99,790 112,446 153,532 192,265 226,327 263,155 Management fees 1,149 2,317 2,204 2,684 2,952 3,247 3,572 Other fees 229 226 251 213 235 258 284 147 234 Lease rentals 241 231 98 193 212 Dividends, property income 1,957 2,327 2,252 3,097 3,456 4,254 4,966 Other Interest Income 7,132 6,614 7,800 11,217 12,100 12,144 12,787 Capital Gains 252 2,094 3,597 2,702 2,948 3,241 3,860 110,177 173,543 249,684 **Total Income** 113,608 128,781 214,150 288,857 Interest Expense 73,728 69,847 74,988 110,934 139,353 161,474 186,706 19972 24280 31411 34221 39461 46156 - Interest on loans 23316 14708 17841 20320 29645 38393 43970 49379 - Interest on deposits - Interest on bonds 35704 32034 30389 49878 66739 78044 91170 Establishment expenses 360 414 447 526 683 834 1001 Employee expenses 1386 1467 1755 2058 2367 2722 3130 Other expenses 1241 1176 1418 1730 1937 2170 2430 Depreciation 205 175 182 192 211 219 241 Provision for doubtful debts 500 580 700 800 1418 1540 1668 596 611 634 Other charges 783 617 764 952 Total expenses 77,986 74,448 80,111 116,887 146,586 169,723 196,127 32,190 39,160 48,670 56,656 92,730 Profit before tax 67,564 79,961 15,430 18,918 10,895 13,320 22,789 25,501 Tax 9,365 Profit after tax 22,825 28,265 35,350 41,226 48,646 57,172 67,229 Growth (% YoY) 24 25 18 18 18

Source: Citi Research estimates, Company Data

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With balance-sheet growth about 20%...loan growth should be higher at 21% over FY12-15E ...with upside risks

	FY09	FY10	FY11	FY12	FY13E	FY14E	FY15E
ASSETS							
Fixed assets	2,034	2,221	2,340	2,340	2,573	2,831	3,114
Equity Investments	9,838	8,490	9,095	8,774	9,213	9,674	10,15
Preference capital	839	773	871	714	643	578	52
Bonds	10,504	12,701	15,425	2,891	3,180	3,498	3,84
Other investments	45,819	8,615	13,581	26,581	29,240	32,163	35,380
Rupee loans	851,981	979,670	1,171,266	1,404,211	1,711,507	2,084,735	2,539,91
subsidiaries	37,688	76,696	79,351	81,814	81,814	81,814	81,814
Cash and advances	15,685	50,241	64,053	54,729	60,797	66,532	63,270
Deposits	16,479	9,789	18,786	64,404	51,523	56,675	62,343
Current assets	25,702	17,218	20,254	28,741	30,178	31,687	33,272
Total assets	1,016,569	1,166,414	1,395,021	1,675,199	1,980,669	2,370,189	2,833,629
LIABILITIES							
Equity capital	2.845	2.871	2.934	2.954	3.063	3.063	3.063
Capital & Reserves	128.529	149.106	170.231	187,222	246.748	280.324	320.40
Loans	248,143	321,369	424,898	406,966	476,150	576,142	697,132
Bonds	53.397	59.509	37.967	0	,	0.0,	00.,.0
Deposits	193.747	230.811	246.251	362.928	424.626	501,058	596.25
Bonds + Debentures	323,949	330,929	416,239	591,631	692,208	851,416	1,047,24
FCCB	5.576	4,285	0	0	0	0	,- ,
Tier 2	13.750	18,750	28,750	29.750	34.750	44.750	44,75
current liabilities	46,634	48,785	67,751	93,749	103,123	113,436	124,77
Total liabilities	1,016,569	1,166,414	1,395,021	1,675,199	1,980,669	2,370,189	2,833,62
Growth (%YoY)	20.4%	14.7%	19.6%	20.1%	18.2%	19.7%	19.69

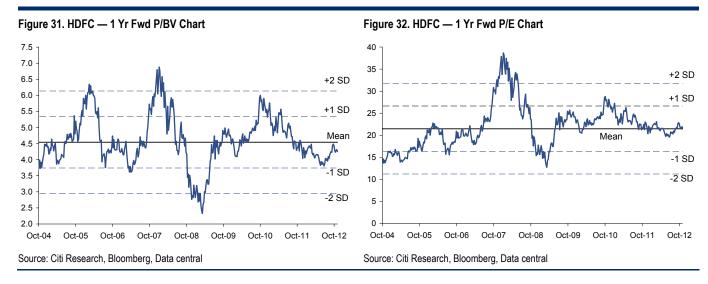
A pretty and stable picture...with risks more to the upside

Figure 30. HDFC — Key Business Parameters (FY09-FY15E, Percentage)											
Year to 31 Mar	FY09	FY10	FY11	FY12	FY13E	FY14E	FY15E				
Profitability Ratios											
RoAE (%)	18.2	20.0	21.7	22.7	22.1	21.4	22.2				
RoAA (%)	2.5	2.6	2.8	2.7	2.7	2.6	2.6				
Operating Ratios											
Average Loan Yields (%)	12.6	10.9	10.5	11.9	11.9	11.6	11.4				
Average Yields (%)	12.0	10.2	9.7	11.1	11.6	11.3	11.0				
Average Cost of Funds (%)	9.9	7.9	7.3	8.9	9.4	9.2	8.7				
Average Spreads (%)	2.1	2.3	2.5	2.2	2.1	2.2	2.2				
Net Interest Margins (%)	3.7	3.5	3.8	3.7	3.8	3.7	3.6				
Dividend Payout Ratio (%)	37.4	36.6	37.3	39.4	37.8	34.8	34.2				
Growth Rates (% YoY)											
Balance Sheet	20.4	14.7	19.6	20.1	18.2	19.7	19.6				
Net Loans	16.7	15.0	19.6	19.9	21.9	21.8	21.8				
Gross Loans	21.7	18.5	19.4	20.0	22.0	22.1	22.1				
Securitized Loans O/S	198.4	66.7	17.9	19.8	24.0	25.0	25.0				
Source: Citi Research estimates, Company Data											

# The Value – Staying Pricey

HDFC has a lot going for it...so it will be expensive...but how much

So how should HDFC trade – and be valued – at an absolute level given its cyclical upside, structural optionality and possibly rising strategic optionality. And how should it trade relative to the broader financial sector and the Indian market given the onset of a growth slowdown and rising asset risks. We argue that in this broader environment, HDFC should trade at high multiples, both relative to peers and its past. This has been the case in the past (and works against HDFC when the broader market environment is strong and positive) – and we believe so should be the case now.

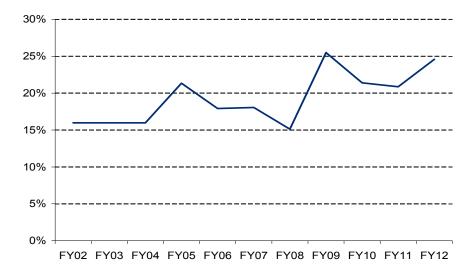


We see fair value at Rs860 per share....it's a mix of well valued businesses We believe the diversity of HDFC's business, the momentum of the subsidiaries, and the large amount of capital it has suggest that value can be best appreciated or captured by a sum-of-the-parts valuation methodology. This has been the case over the most recent years, and we do not see that changing. This is our preferred valuation methodology.

Business	Total Value, Rsm	Value per share, Rs	Basis of valuation
Life Insurance	76,206	50	Valued at 15x 1Yr Fwd NBAP and 2x Embedded Value – slight premium to sector benchmarks to reflect return to profitability
Asset management	47,070	31	6% of AUMs – peers' multiple
Non-life insurance	4,422	3	Valued at 1.5x PBV - peers' multiple
Alternative Asset Management	4,330	3	8% of AUMs
Associate Bank- HDFC Bank	354,974	231	Valued at HDFCB target price (Rs645)
Total Subsidiary value	487,002	316	
HDFC Value	836,975	544	4x PBV FY14E (near long-term avg) - after adjusting for investments in subsidiaries.
Total Value	1,323,978	860	• •

Some of it is captured by the market....though there is more that's still unlisted (Life Insurance and Asset Management)

Figure 34. HDFC — Unrealized Gains on Listed Investments (As % of its Market Capitalization)

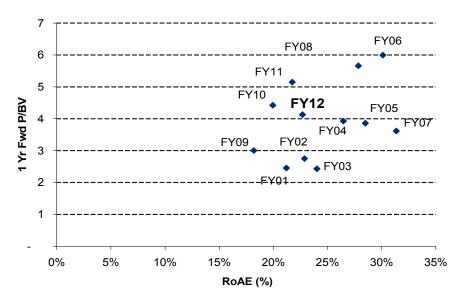


Source: Citi Research, Company Data

HDFC has always been expensive...it's in the middle of the last decades range

What could change this valuation framework? We believe the SOTP framework should hold its ground given the relatively different benchmarks for each of the businesses and their still relatively high growth potential. We see the framework shifting to a more consolidated version only if the businesses are amalgamated more closely at the legal and operating levels, which we do not envisage at this stage.

Figure 35. HDFC — Valuation Matrix for RoAE (%) and 1 Yr Fwd P/BV (FY01-FY12)



Source: Citi Research, Company Data

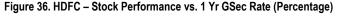
Longer term valuation range at 3-5x 1yr Fwd PBV – benchmark of a 4x average – supported by strategic, structural and cyclical tailwinds We believe the primary HDFC valuation debate centres around the very high multiples that the core mortgage business trades at; a range of about 3-5x PBV 1 yr forward over the last decade. This is high, in the context of its return structure, growth rates and the fact that mortgages as a product have limited pricing power (though HDFC continues to charge a premium, it's probably capped at about 25bps).

We value the core business at 4x FY14E P/B - in large measure reflecting its longer term average – but more critically, reflecting what we believe is an upward business bias. We have argued this in the report – strategic, structural and cyclical – which is where we believe there could be upside biases too.

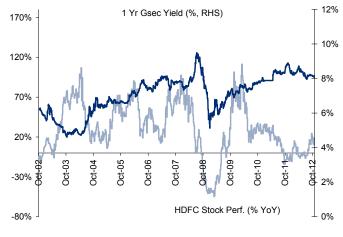
Downside risks lie in spread pressure, competitive intensity or asset strains on this wholesale asset book We believe downside valuation risks could play up on account of competition driven spread compression, a slowdown in growth, or if any asset quality strains were to show up (particularly on the whole sale loan book). We also believe a sharp turnaround in the broader banking market could hurt HDFC's valuations on a relative basis as investors move to financial stocks more leveraged to an economic upcycle.

Interest rates a swing factor...and falling rates – which we expect – should be a significant stock driver

We see interest rates as a swing factor – lower rates should be better for HDFC, as funding becomes easier, its low cost structure is fundamentally more suited to lower rates, and its engine driver – the housing market – benefits more fundamentally than other asset class. The evidence of HDFC's stock correlation with interest rates is relatively moderate (visually, see Figs 36/37). We however believe it's a key swing factor – and HDFC's underlying business gains on falling rates and should translate into strong absolute and relative stock performance.









Source: Citi Research, RBI, Bloomberg

Source: Citi Research, RBI, Bloomberg

Figure 38. HDFC — Relative Valuation Matrix

	Target Price	Rating	P/E	P/E	P/B	P/B	ROE	ROE	ROA	ROA	Div. Yld	EPS Growth	EPS Growth
	Rs		х	х	х	х	%	%	%	%	%	%YoY	%YoY
			FY13E	FY14E	FY13E	FY14E	FY13E	FY14E	FY13E	FY14E	FY13E	FY13E	FY14E
HDFC Ltd	860	Buy	24.2	20.5	4.6	4.1	22.1%	21.4%	2.7%	2.6%	1.6%	13.8%	17.5%
LIC Housing Fin	290	Buy	11.1	8.9	1.8	1.5	17.5%	18.3%	1.6%	1.7%	1.6%	19.6%	24.7%
Private Banks	-	-	17.3	15.3	2.8	2.4	17.6%	18.6%	2.7%	2.6%	1.4%	20.2%	23.8%
India Banks	-	-	11.2	9.5	1.9	1.5	16.6%	17.6%	1.2%	1.3%	2.0%	13.6%	22.6%
Source: Citi Research estimates													

# **Housing Development Finance Corp.**

### Company description

HDFC was set up in 1978 and today is India's premier housing-finance company with around 25% market share in mortgages and a loan book of Rs1.4trn as at FY12. It has had strong asset quality and gross NPLs of below 1% for several years. The company has more than 300 offices and 90 outreach programs. HDFC has strongly positioned itself across the banking and financial-services space. It has a commercial bank (23% ownership), and has subsidiary businesses in life insurance, non-life insurance and asset management.

### Investment strategy

We rate HDFC a Buy with a target price of Rs860. It offers exposure to the high-growth mortgage market in India and to market leadership through its associates and subsidiary companies in commercial banking, life insurance and asset management. We believe HDFC is in a sweet spot strategically, structurally and cyclically. Strategically, its subsidiaries have started generating and returning increased capital, which could see HDFC increasing its growth rates and payouts, and potentially even buying new businesses. Structurally, we see upside in the funding market through an opening up of the ECB space. We believe the regulatory overhang is largely done and competitive intensity, though high, is not intensifying. We believe there is cyclical upside too – a long growth push-up, and easier liquidity and interest rates.

### Valuation

Our target price of Rs860 is based on a sum-of-the-parts valuation, reflecting the significant and diverse values of its subsidiaries. We value the parent HDFC business at 4x PBV (long-term average), HDFC Bank at our target price of Rs645 (using an EVA method, with a secondary benchmark of 3.5x FY14E P/BV), the life-insurance business at 15x NBAP or 2x embedded value (slight premium to sector benchmarks to reflect return to profitability), and the asset-management business at 6% of assets (peer-group multiple) – all benchmarked off FY14E. We believe the rising strategic options and the structural and operating environment are all favorably positioned to support these multiples. In addition, HDFC has always traded at a premium on account of its high quality and credible management, which further adds to valuation upside.

#### **Risks**

The following downside risk could cause the shares to trade above our target price. The risks are primarily external in the form of aggressive and disruptive price competition, a challenging and unstable interest-rate environment, regulatory and policy changes, and market dislocations. Potential business risks are asset deterioration, mismatches and operational risks.

### **HDFC Bank**

(HDBK.BO; Rs630.65; 2)

#### Valuation

Our target price of Rs645 is based on an EVA model, assuming a loan-loss ratio of 100bps, a long-term cost/income ratio of 42% and a spread of 280bps. We use the EVA model as our standard valuation methodology for the India banking universe as it dynamically adjusts the economic value of the business. As a secondary benchmark, we apply 3.5x 1 year forward P/BV for a fair value of Rs634. A 3.5x P/BV is a premium to almost all other Indian commercial banks, but is justified, we believe, by HDBK's structurally higher margin, de-risked earnings and balance sheet mix, as well as by gains in the consumer-lending franchise. This multiple is in the middle of its PBV multiples in previous cycles.

#### **Risks**

The key downside and upside risks to our target price lie in: (1) any negative/positive news on asset quality; (2) potential management changes; (3) emergence of high quality and scale competitors; and (4) changing risk perceptions of private banks. If any of these factors has a greater impact than we expect, the stock could have difficulty achieving our target price.

# LIC Housing Finance

(LICH.BO; Rs251.50; 1)

#### Valuation

We value LIC Housing at Rs290 based on 1.8x one-year forward P/BV (Mar14E). Its historical trading range is 0.5-2.5x one-year forward P/BV. We believe a re-rating is warranted from the historical mean given the company's significant improvements in market position, asset quality and return profile. However, we also benchmark LIC Housing to other non-banking finance companies in India and believe that LIC Housing should trade at a discount to peers due to its lower return profile, weaker and inconsistent track record on net interest margins and significantly higher competition in the mortgage segment. Our target price is also at a discount to our target multiples for private sector banks (2.0x - 3.0x one-year forward P/BV).

We also see a fair value basis for LIC Housing shares at Rs280 based on our EVA model, which captures the long-term value of the business, and is a standard valuation measure for our India Banking coverage. Our EVA model assumes: a) a risk-free rate of 8.0%, in line with our assumptions for other banks; b) longer-term loan loss provisions of 15bps given its low asset risk profile, c) loan spreads of 150bps which is lower than banking industry averages of 200bps, and d) long-term fee income growth of 10%.

### Risks

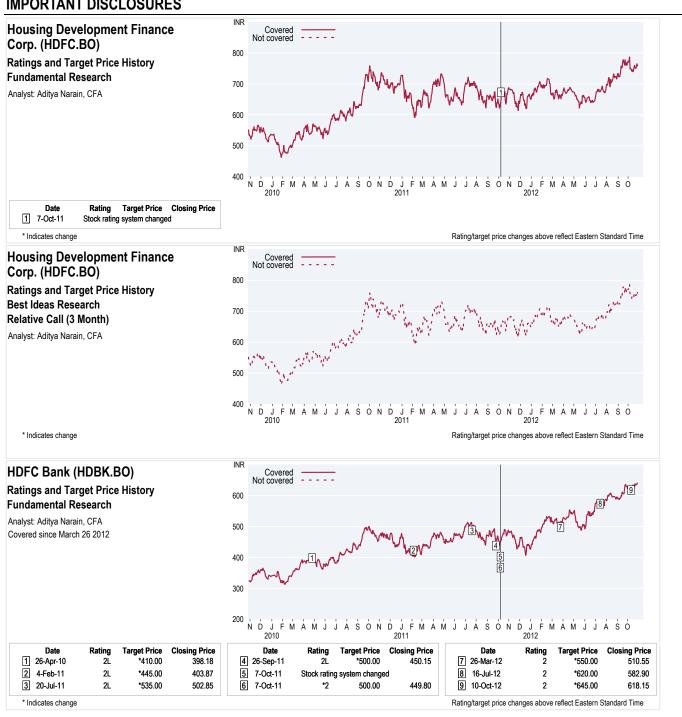
Key downside risks that could cause the stock to continue to trade below our target price include: a) Slower-than-expected economic recovery and more specifically mortgage financing growth, b) Reversal towards a higher interest rate / tight liquidity environment which could hurt its net interest margins, c) A sharp dip in the asset quality environment in the mortgage segment, d) Any increase in competitive intensity, and e) Regulatory changes.

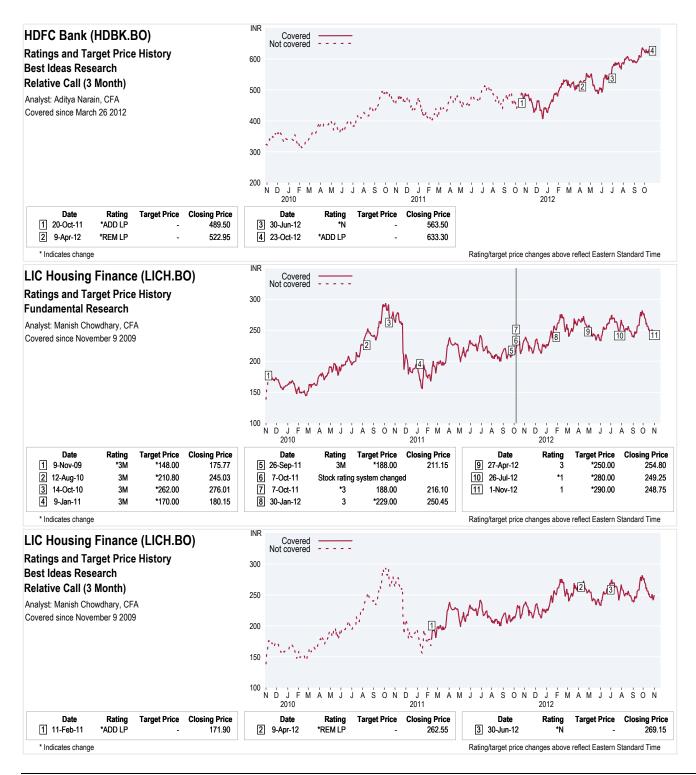
# **Appendix A-1**

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