HDFC BANK

INDIA / BANKS

BUY

TARGET INR519.00
PRIOR TP N/A
CLOSE INR450.00
UP/DOWNSIDE +15.3%

HOW WE DIFFER FROM THE STREET



INDUSTRY OUTLOOK ←→

Consistency at its best



CHANGE

Initiate coverage at BUY with a target price of INR519

We believe HDFC Bank will remain the most expensive and least risky bank we cover with steady earnings trajectory. FY11 trend suggests that HDFC Bank's retail portfolio is in a sweet spot, it has low exposure to infrastructure, it will achieve above-industry loan growth (FY12-13E) with stable to marginal decline in margins, and has decent earnings visibility.



CATALYST

Best stock to hide in times of uncertainty and risk aversion

If concerns about infrastructure continue to haunt the banking sector due to high interest rates and policy paralysis, and given the heightened risk aversion due to global recession fears and Euro debt problems, we believe HDFC Bank could continue to outperform the sector, especially if investors remain risk averse.



VALUATION

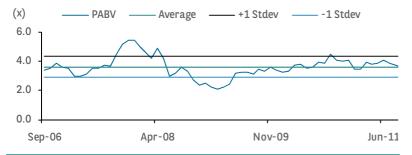
Good for investors keen to avoid infrastructure risk

HDFC Bank trades at 3.1x FY13E P/ABV (with average ROE of 20.4% over FY11-13E), which is in line with its long-term average multiple. Downside risk to TP and estimates are higher-than-expected slippage in retail loans. We expect the stock's premium valuation to be sustained due to its profitable growth and low exposure to infrastructure.

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KEY CHART

1-year forward P/ABV in line with the 5-year average



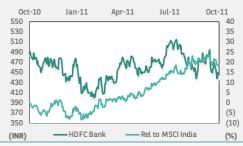
Sources: Bloomberg; BNP Paribas estimates



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KEY STOCK DATA

YE Mar (INR m)	2012E	2013E	2014E
Operating Profit	76,885	99,973	129,951
Rec. net profit	51,513	66,982	87,067
Recurring EPS (INR)	21.89	28.46	37.00
Prior rec. EPS (INR)	N/A	N/A	N/A
Chg. In EPS est. (%)	-	-	-
EPS growth (%)	30.2	30.0	30.0
Recurring P/E (x)	20.6	15.8	12.2
Dividend yield (%)	0.9	1.0	1.1
Price/book (x)	3.5	3.0	2.4
ROE (%)	18.7	20.6	22.3
ROA (%)	1.70	1.80	1.87



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(7.8)	(12.3)	(7.5)
Relative to country (%)	(3.3)	2.8	14.5
Next results		Oct	ober 2011
Mkt cap (USD m)			21,295
3m avg daily turnover (USD	m)		35.3
Free float (%)			77
Major shareholder	HDFC	& HDFC In	vestments (23%)
12m high/low (INR)		2,519.	70/400.57
3m historic vol. (%)			392.8
ADR ticker			HDB US
ADR closing price (USD, 7 0	ct 2011)		29.49
Issued shares (m)			2,326

Sources: Bloomberg consensus: BNP Paribas estimates

BNP Paribas Securities Asia research is available on Thomson One, Bloomberg, TheMarkets.com, Factset and on http://eqresearch.bnpparibas.com/index. Please contact your salesperson for authorisation. Please see the important notice on the back page.



BNP PARIBAS | The bank for a changing world



RISK EXPERTS

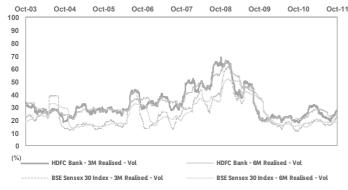
A. Key Earnings Drivers & Sensitivity

- The key macro factors that can impact HDFC Bank's earnings are credit growth, interest rate environment and deterioration/improvement in asset quality
- In our bear case, we have built in 20bp and 30bp higher slippages in FY12E and FY13E. In our bull case, we have built in 15bp and 20bp lower slippages respectively over the base

Year-end 31 Mar	2012E			2013E			
	Bear	Base	Bull	Bear	Base	Bull	
Advance growth (%)	19.0	21.5	28.4	20.5	25.8	28.4	
NIM (%)	4.31	4.40	4.43	4.23	4.37	4.41	
Slippages (%)	1.25	1.05	0.90	1.50	1.20	1.00	
EPS (INR)	20.6	22.1	23.7	24.7	28.8	32.5	
ABV (INR)	121.3	123.2	124.9	137.7	146.8	149.9	
ROE (%)	18.2	19.5?	20.7	18.8	21.3	23.5	

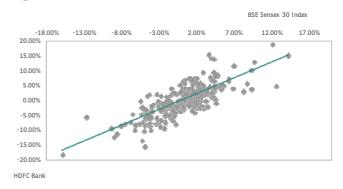
^{*} Networth excludes amalgamation reserve Source: BNP Paribas estimates

HDFC Bank and SENSEX (3M and 6M Realised-Vol)



Sources: Bloomberg: BNP Paribas

Regression -HDFC Bank to SENSEX



HDFC Bank = -105 + 0.0266 * SENSEX Index

R Square = 0.6122

Regression based on 260 observations of 5 years weekly data. Please refer to Appendix 1 for the explanation of R-square Sources: Bloomberg; BNP Paribas

India sector correlation matrix at 25 July 2011

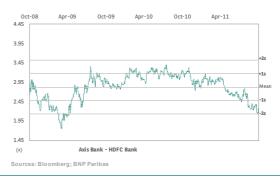
	Autos	Banks	Engineering & Construction	Metals & Mining	Oil & Gas	IT Services	Telecom	Utilities	Property
Autos	1.00	0.67	0.64	0.66	0.50	0.43	0.36	0.58	0.62
Banks		1.00	0.71	0.70	0.58	0.46	0.36	0.63	0.66
Engineering & Construction			1.00	0.71	0.58	0.46	0.41	0.65	0.68
Metals & Mining				1.00	0.66	0.50	0.40	0.69	0.72
Oil & Gas					1.00	0.40	0.30	0.57	0.57
IT Services						1.00	0.27	0.45	0.38
Telecom							1.00	0.43	0.43
Utilities								1.00	0.63
Property									1.00

Source: BNP Paribas Sector Strategy

The Risk Experts

- Our starting point for this page is a recognition of the macro factors that can have a significant impact on stock-price performance, sometimes independently of bottom-up factors.
- With our Risk Expert page, we identify the key macro risks that can impact stock performance.
- This analysis enhances the fundamental work laid out in the rest of this report, giving investors yet another resource to use in their decision-making process

Long/Short Chart



Sources: Bloomberg; BNP Paribas

Consistency at its best

Profitability and return ratios significantly higher after adjusting for contingency provisions

HDFC Bank has consistently delivered strong operational performance, although this is not truly reflected in RoE as it has maintained a reasonably high level of contingency provisions. Last year, the bank made INR6b-7b worth of extra provisions to meet future slippages in MFI, etc. If we add these back to PAT, ROE works out to around 20.6% (vs 17.5% reported) and PAT growth would have been 56% y-y (vs 33% reported) in FY11.

EXHIBIT 1: ROA has been improving consistently, but not fully reflected in ROE \dots

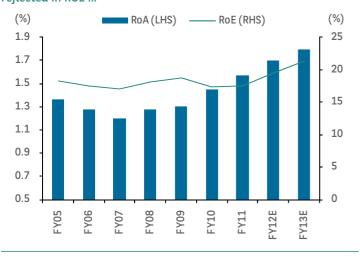
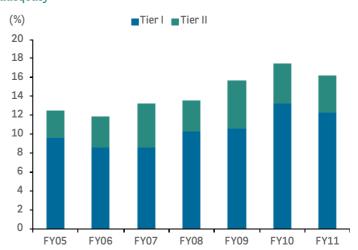


EXHIBIT 2: ... as HDFC Bank has maintained a high level of capital adequacy



Sources: HDFC Bank; BNP Paribas

Sources: HDFC Bank; BNP Paribas estimates

Sources: HDFC Bank; BNP Paribas estimates

Superior liability franchise

One of the greatest strengths of HDFC Bank has been its ability to create a strong low-cost deposit base by making inroads into key segments like salary accounts, IPO and capital-market-related businesses and CMS services for corporates. This has translated into consistently high NIM across cycles, and we believe HDFC Bank remains one of the best banks in the industry.

EXHIBIT 3: Consistently high NIM as CASA best in the industry ...

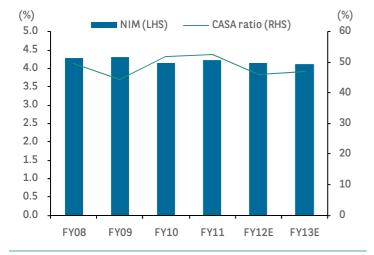
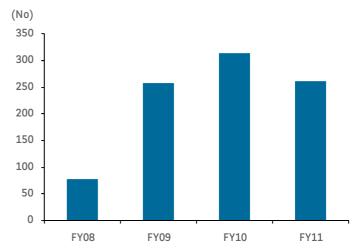
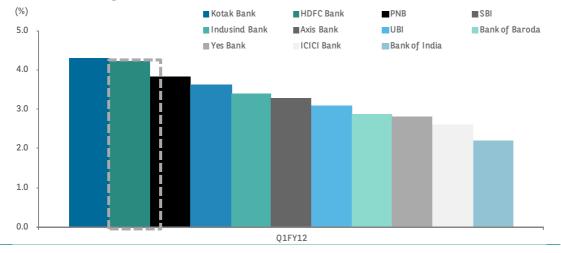


EXHIBIT 4: ... led by focus on branch additions



Sources: HDFC Bank; BNP Paribas estimates

EXHIBIT 5: NIM among the best-in-class



Sources: Companies' data; BNP Paribas

Valuations should remain high on consistently healthy growth, no infrastructure risk and high return ratios

HDFC Bank has delivered steady growth in advances (unaffected by industry cycles) and net profit over the past several years. This, along with consistently improving asset quality and low exposure to risky infrastructure assets, has translated into premium valuations for the bank.

EXHIBIT 6: Consistently strong growth in advances

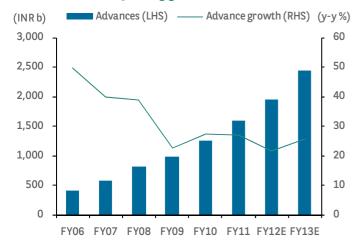
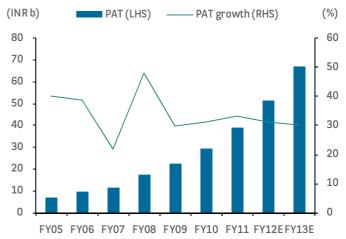


EXHIBIT 7: Consistently strong growth in bottom line



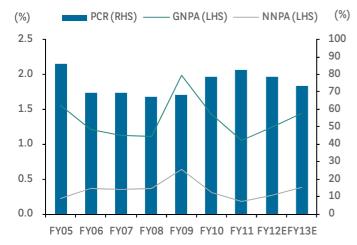
Sources: HDFC Bank; BNP Paribas estimates

Sources: HDFC Bank; BNP Paribas estimates

Asset quality remains excellent

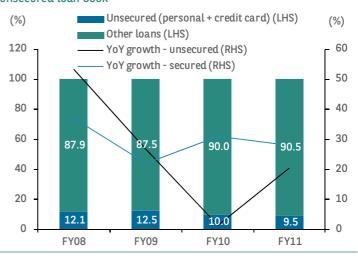
HDFC Bank has maintained healthy asset quality across cycles. The sharp jump in GNPA in FY09 was due to the merger of Centurion Bank of Punjab with HDFC Bank. As a result of the focus on underwriting, the bank's GNPA remains among the lowest in the industry despite its large scale of retail operations. HDFC Bank has a healthy proportion of unsecured loans (personal + credit card) in its total loan mix, but its asset quality remained intact through the downturn. In fact, the bank continues to maintain relatively similar levels of unsecured loans in the overall loan mix.

EXHIBIT 8: Consistently maintained healthy asset quality ...



Sources: HDFC Bank; BNP Paribas estimates

EXHIBIT 9: ... despite maintaining a healthy proportion of unsecured loan book



Sources: HDFC Bank; BNP Paribas

Valuation

GGM valuation (base case)

In our base case, we value HDFC Bank on a two-stage Gordon Growth Model, and further assigned it a premium of 25%, taking into account the consistently stable and healthy performance delivered by the bank over the years. Based on this, we arrive at an implied FY13E P/ABV of 3.89x. Adjusted book value is calculated assuming 75% provision coverage ratio (PCR). Our GGM-based fair value for HDFC Bank is INR570/share.

EXHIBIT 10: HDFC Bank - two-stage Gordon growth model

High growth	
Number of years	5
ROE (%)	21.30
Payout (%)	20
Growth (%)	17
Beta	0.98
Risk-free return (%)	8.25
Risk premium (%)	7.00
Cost of equity (%)	15.10
Stable growth	
ROE (%)	20.00
Payout (%)	75
Growth (%)	5.00
Beta	0.90
Risk-free return (%)	6.00
Risk premium (%)	5.00
Cost of equity (%)	10.50
P/ABV (x)	3.89
Fair value/share (INR)	570

Source: BNP Paribas estimates

Probability-based target price

We arrive at our target price for HDFC Bank using probability-based pricing, where we assign 75% probability to case 1 (which is based on GGM as discussed above) and 25% probability to case 2 (which is the worst case). For the worst case, our FY13E P/ABV is 2.5x, which takes into account the trough P/ABV valuation of HDFC Bank (25% higher than 2x) post the Lehman crisis. Taking these into account, we arrive at a target price of INR519 (for details of calculations see Exhibit 11 below). At our target price, the stock has 15% upside potential from current levels. Therefore, we initiate with a BUY rating.

EXHIBIT 11: Calculation of probability-based target price

Banks	Fair P/BV	Min P/BV	Adj P/BV	FY13E ABV	Base case	Worst case	Core bank	Subs	TP
	(x)	(x)	(x)	(INR)	(INR)	(INR)	(INR)	(INR)	(INR)
HDFC Bank	3.9	2.5	3.5	147	570	367	519	-	519

Source: BNP Paribas estimates

DuPont analysis

Below we analyse the return ratio breakdown for HDFC Bank, indicating the key parameters impacting overall profitability. ROEs and ROAAs to improve steadily going forward.

EXHIBIT 12: DuPont analysis

Year-end 31 Mar		2009	2010	2011	2012E	2013E	2014
		(%)	(%)	(%)	(%)	(%)	(%)
% of average assets							
Interest income	Α	9.50	7.97	7.97	8.53	8.52	8.23
Interest expense	В	5.18	3.84	3.76	4.39	4.40	4.09
Net interest income	C = (A-B)	4.32	4.13	4.22	4.14	4.12	4.14
Non-interest income	D	0.26	0.31	0.33	0.36	0.36	0.36
Fee income	E	1.43	1.40	1.44	1.34	1.27	1.27
Treasury income	F	0.22	0.17	(0.03)	0.01	0.07	0.04
Operating income	G = (C+D+E+F)	6.23	6.01	5.95	5.85	5.81	5.81
Staff cost	Н	1.30	1.13	1.13	1.15	1.13	1.05
Other expenses	1	1.92	1.71	1.73	1.66	1.61	1.55
Operating costs	J = (H+I)	3.22	2.84	2.86	2.80	2.73	2.60
Pre-provision operating profit	K = (G-J)	3.01	3.17	3.09	3.05	3.07	3.21
Loan loss provisions	L	0.93	0.96	0.31	0.46	0.33	0.37
Other provisions and exceptional	М	0.16	0.10	0.46	0.05	0.05	0.05
Total provisions	N = (L+M)	1.09	1.05	0.76	0.51	0.39	0.42
Pre-tax profit	0 = (K-N)	1.92	2.11	2.33	2.54	2.68	2.79
Taxes	P	0.61	0.66	0.76	0.84	0.89	0.92
ROAA	Q = (0-P)	1.31	1.45	1.57	1.70	1.80	1.87
Avg assets/Avg net worth (x)	R	14.33	11.92	11.72	11.47	11.87	12.27
ROAE	S = (Q*R)	18.7	17.3	18.4	19.5	21.3	22.90

Sources: HDFC Bank; BNP Paribas estimates

Financial statements HDFC Bank

Profit and Loss (INR m) Year Ending Mar	2010A	2011A	2012E	2013E	2014
Interest income	161,729	199,282	258,673	317,150	383,36
nterest expense	(77,863)	(93,851)	(133,243)	(163,814)	(190,358
Net interest income	83,866	105,431	125,429	153,337	193,008
Net fees & commission	28,306	35,967	40,755	47,182	58,929
Foreign exchange trading income	6,102	9,208	11,058	13,271	16,78
Securities trading income	3,451	(837)	250	2,500	1,75
Dividend income Other income	0 217	5 (992)	5 0	5 0	:
Non interest income	38,076	(332) 43,352	52,068	62,958	77,47
Total income	121,942	148,783	177,497	216,294	270,47
Staff costs	(22,892)	(28,360)	(34,797)	(41,906)	(48,856
Other operating costs	(34,753)	(43,169)	(50,233)	(59,942)	(72,263
Operating costs	(57,645)	(71,529)	(85,030)	(101,848)	(121,120
Pre provision operating profit	64,297	77,254	92,467	114,447	149,36
Provisions for bad and doubtful debts	(19,389)	(7,630)	(14,025)	(12,466)	(17,036
Other provisions	(2,017)	(11,437)	(1,557)	(2,008)	(2,373
Operating profit	42,891	58,187	76,885	99,973	129,95
Recurring non operating income	0	0	0	0	
Associates	0	0	0	0	
Goodwill amortization	0	0	0	0	
Non recurring items	0	0	0	0	
Profit before tax	42,891	58,187	76,885	99,973	129,95
Тах	(13,404)	(18,923)	(25,372)	(32,991)	(42,884
Profit after tax	29,487	39,264	51,513	66,982	87,06
Minority interests	0	0	0	0	
Preferred dividends	0	0	0	0	
Other items	0	0	0	0	
Reported net profit	29,487	39,264	51,513	66,982	87,06
Non recurring items & goodwill (net)	0	0	0	0	
Recurring net profit	29,487	39,264	51,513	66,982	87,06
Per share (INR)					
Recurring EPS *	13.37	16.81	21.89	28.46	37.0
Reported EPS	13.51	17.00	22.15	28.80	37.4
DPS	2.80	3.85	3.87	4.58	4.9
Growth					
Net interest income (%)	13.0	25.7	19.0	22.2	25
Non interest income (%)	15.7	13.9	20.1	20.9	23
Pre provision operating profit (%)	24.2	20.2	19.7	23.8	30
Operating profit (%)	30.0	35.7	32.1	30.0	30
Reported net profit (%)	31.3	33.2	31.2	30.0	30
Recurring EPS (%)	27.2	25.7	30.2	30.0	30
Reported EPS (%)	27.8	25.8	30.2	30.0	30
Income breakdown					
Net interest income (%)	68.8	70.9	70.7	70.9	71
Net fees &commission (%)	23.2	24.2	23.0	21.8	21
Foreign exchange trading income (%)	5.0	6.2	6.2	6.1	6
Securities trading income (%)	2.8	(0.6)	0.1	1.2	0
Dividend income (%)	0.0	0.0	0.0	0.0	0
Other income (%)	0.2	(0.7)	0.0	0.0	0
Operating performance					
Gross interest yield (%)	8.30	8.39	9.08	9.04	8.7
Cost of funds (%)	4.69	4.65	5.46	5.43	5.0
Net interest spread (%)	3.62	3.74	3.61	3.61	3.7
Net interest margin (%)	4.31	4.44	4.40	4.37	4.3
Cost/income (%)	47.3	48.1	47.9	47.1	44
Cost/assets (%)	2.84	2.86	2.80	2.74	2.6
Effective tax rate (%)	31.3	32.5	33.0	33.0	33
Dividend payout on recurring profit (%)	21.0	22.9	17.7	16.1	13
ROE (%)	16.3	16.7	18.7	20.6	22
ROE - COE (%)	1.2	1.6	3.6	5.5	7
ROA (%)	1.45	1.57	1.70	1.80	1.8
RORWA (%)	2.07	2.23	2.35	2.43	2.5
*Pre exceptional, pre-goodwill and fully diluted					

Sources: HDFC Bank; BNP Paribas estimates

Reported NIM for FY10 and FY11 were 4.3% and 4.3% respectively. NIMs as indicated here are calculated by dividing net interest income by average interest earning assets

We expect ROA to improve on the back of improved operational efficiency and lower contingency provisions

HDFC Bank

Balance Sheet (INR m) Year Ending Mar	2010A	2011A	2012E	2013E	2014E
Gross customer loans	1,272,553	1,613,806	1,963,262	2,471,171	3,070,494
Total provisions	(14,247)	(13,979)	(19,183)	(26,241)	(33,648)
Interest in suspense	0	0	0	0	0
Net customer loans	1,258,306	1,599,827	1,944,078	2,444,930	3,036,846
Bank loans	144,591	45,680	164,545	207,752	257,931
Government securities	510,499 0	536,513 0	661,118 0	823,875 0	1,036,533
Trading securities Investment securities	75,577	172,781	120,768	224,597	0 274,057
Cash & equivalents	154,833	251,008	203,421	221,812	274,037
Other interest earning assets	154,655	251,000	0	0	2/3,00/
Tangible fixed assets	21,228	21,707	21,758	21,816	21,879
Associates	0	0	0	0	0
Goodwill	0	0	0	0	0
Other intangible assets	0	0	0	0	0
Other assets	59,551	146,011	175,213	210,256	252,307
Total assets	2,224,586	2,773,526	3,290,902	4,155,038	5,158,619
Customer deposits	1,674,044	2,085,864	2,482,178	3,177,188	3,971,485
Bank deposits	0	0	0	0	0
Other interest bearing liabilities	129,157	143,941	164,545	207,752	257,931
Non interest bearing liabilities	206,159	289,929	347,914	417,497	500,997
Hybrid Capital	0	0	0	0	0
Total liabilities	2,009,361	2,519,733	2,994,638	3,802,437	4,730,413
Share capital	4,577	4,652	4,652	4,652	4,652
Reserves	210,648	249,140	291,612	347,949	423,554
Total equity	215,225	253,793	296,264	352,601	428,206
Minority interests	0	0	0	0	0
Total liabilities & equity Supplementary items	2,224,586	2,773,526	3,290,902	4,155,038	5,158,619
Risk weighted assets (RWA)	1,549,830	1,969,603	2,409,919	3,094,894	3,820,359
Average interest earning assets	1,947,940	2,374,807	2,849,870	3,508,449	4,403,700
Average interest bearing liabilities	1,661,477	2,016,503	2,438,264	3,015,832	3,807,178
Tier 1 capital	205,489	237,184	285,642	341,454	416,534
Total capital	270,408	314,622	298,314	355,604	432,527
Gross non performing loans (NPL)	18,168	16,943	24,433	35,724	53,729
Per share (INR)					
Book value per share	94.04	109	127	152	184
Tangible book value per share	94.04	109	127	152	184
Growth					
Gross customer loans (%)	26.9	26.8	21.7	25.9	24.3
Average interest earning assets (%)	18.1	21.9	20.0	23.1	25.5
Total assets (%)	21.3	24.7	18.7	26.3	24.2
Risk weighted assets (%)	19.8	27.1	22.4	28.4	23.4
Customer deposits (%)	17.2	24.6	19.0	28.0	25.0
Leverage & capital measures					
Customer loans/deposits (%)	75.2	76.7	78.3	77.0	76.5
Equity/assets (%)	9.7	9.2	9.0	8.5	8.3
Tangible equity/assets (%)	9.7	9.2	9.0	8.5	8.3
RWA/assets (%)	69.7	71.0	73.2	74.5	74.1
Tier 1 CAR (%)	13.3	12.0	11.9	11.0	10.9
Total CAR (%)	17.4	16.0	12.4	11.5	11.3
Asset quality					
Change in NPL (%)	(8.6)	(6.7)	44.2	46.2	50.4
NPL/gross loans (%)	1.4	1.0	1.2	1.4	1.7
Total provisions/gross loans (%)	1.1	0.9	1.0	1.1	1.1
Total provisions/NPL (%)	78.4	82.5	78.5	73.5	62.6
Valuation	2010A	2011A	2012E	2013E	2014E
Recurring P/E (x) *	33.6 38.8	26.8 30.9	20.6 23.7	15.8 18.2	12.2 14.0
Recurring P/E @ target price (x) *					
Reported P/E (x) Dividend yield (%)	33.3 0.6	26.5 0.9	20.3 0.9	15.6 1.0	12.0 1.1
Price/book (x)	4.8	4.1	3.5	3.0	2.4
Price/tangible book (x)	4.8	4.1	3.5	3.0	2.4
. ,	5.5	4.8	4.1	3.4	2.4
Price/tangible book @ target price (x)		7.0			

Sources: HDFC Bank; BNP Paribas estimates

ABVPS- FY10: INR89.7, FY11: INR105.1, FY12E: INR123.2, FY13E: INR146.8, FY14E: INR174.5. ABVPS is calculated by subtracting revaluation reserve and standard PCR at 75% for all banks. Hence, if PCR is below (or above) 75% we reduce (or add back) the difference from (to) total shareholder equity

History of change in investment rating and/or target price

HDFC Bank (HDFCB IN)



Date	Reco	TP
16-Nov-08	HOLD	200.00
11-0ct-09	BUY	380.00
7-0ct-10	HOLD	480.00

Abhijit Majumder started covering this stock from 12 October 2011

Price and TP are in local currency

 $\textbf{Valuation and risks:} \ Downside \ risk \ to \ our \ probability-based \ TP \ and \ estimates \ are \ higher-than-expected \ slippage \ in \ retail \ loans$

Sources: Bloomberg; BNP Paribas

Disclaimers and Disclosures

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Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / current price.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

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Improving (♠): The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral (←→): The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

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Hold	158	Hold	2.53
Reduce	54	Reduce	1.85

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