

India | Banks 17 October 2011

HDFC

2Q FY12: Strong operating performance

- HDFC's net profit at Rs9.7bn was up 20% yoy and 15% qoq. Operating performance remains strong with healthy loan growth, stable spreads and sound asset quality.
- While core was in line, higher-than-expected trading gains explained why actual net profit was above our estimate.
- Strong loan growth (25% yoy before sell-downs), strong disbursement (19% yoy), sequential improvement to calculated spreads and asset quality were key highlights
- To meet new NHB guidelines, HDFC has drawn Rs2.6bn net of tax from Sec 29 reserves. This impact has not come through the P/L account.
- We maintain Underperform on rich valuations.

Strong loan growth. Loans grew 20% yoy and 3% qoq after sell-downs. Before sell-downs to HDFC Bank, loans grew 25% yoy and 2% qoq. Disbursements grew 19% yoy and 22% qoq. The strong sequential pick up in disbursements in 2Q is seasonal and happens every year.

Calculated spread moves up sequentially in 2Q. Spread calculated from the balance sheet averages has moved up to 2.25% in 2Q FY12 from a low of 1.7% in 1Q FY12 and is now in line with the FY11 spread of 2.3%. The sequential recovery in spreads is largely due to higher lending rates and partly due to some easing in incremental cost of funds during the quarter.

Stable asset quality. Asset quality remains sound with gross NPLs at a low 0.82%. HDFC has met new NHB provisioning norms by drawing down on Sec 29 reserves. The draw down net of deferred tax is Rs2.6bn.

Trading gains, dividends and cost to income. HDFC reported higher-than-expected trading gains of Rs870m in 2Q FY12 against Rs163m in 1Q FY12 and Rs590m in 2Q FY11. Yoy growth in dividend income was also strong due to part payment of HDFC Bank dividend. Cost to income ratio remained stable yoy at 8.4%.

UNDERPERFORM (unchanged)

PRICE as at 14 October 2011

PRICE TARGET

Rs666.80

Rs640.00

Bloomberg code

Reuters code

Market cap

12 month range

Rs957,212m (US\$19,527m)

Rs589.15 - 739.70

EPS est change 2012E - 2013E

Year end: March	2010	2011	2012E	2013E
Total revenues (Rsm)	42,978	53,181	59,387	71,144
PPOP (Rsm)	39,740	49,370	55,190	66,502
Attributable profit (Rsm)	28,265	35,350	40,772	48,558
EPS (Diluted) (Rs)	19.69	24.10	27.80	33.10
EPS growth (%)	22.7	22.4	15.3	19.1
Book value/share (Rs)	105.87	118.05	133.65	151.98
Dividend/share (Rs)	7.20	9.00	10.84	12.91
Return on equity (%)	19.95	21.74	22.09	23.18
Return on assets (%)	2.59	2.76	2.69	2.71
Net interest margin (%)	3.07	3.32	3.10	3.10
Gross NPL ratio (%)	0.96	0.77	0.80	0.80
Credit cost % avg. loans (bps)	6	6	6	6
Tier 1 Capital Ratio (%)	12.8	12.2	12.3	12.0
Loan growth (%)	15.0	19.2	20.0	20.0
PER (x)	24.8	27.7	24.0	20.1
PBR (x)	5.1	5.6	5.0	4.4
Dividend yield (%)	1.5	1.3	1.6	1.9

Source: Company, Standard Chartered Research estimates

Share price performance



Share price (%)	-1 mth	-3 mth	-12 mth
Ordinary shares	3	-5	-9
Relative to Index	1	3	7
Relative to Sector	-	-	-
Major shareholder		Citigro	up (8.8%)
Free float			92%
Average turnover (US\$)		34	1,781,137

Source: Company, Bloomberg



Fig 1 - Income statement

(Rs m)	2Q FY12	1Q FY12	2Q FY11	%у-у	%q-q
Interest Income	36,693	33,298	26,143	40.4	10.2
Interest expense	26,905	25,149	17,176	56.6	7.0
Net Interest Income on housing loans	9,788	8,149	8,967	9.2	20.1
Other interest	1,848	1,833	1,228	50.4	0.8
Total net interest income	11,636	9,982	10,195	14.1	16.6
Total non interest income	3,098	3,038	2,284	35.6	2.0
Fees and other charges	789	573	681	15.9	37.7
Dividend	629	1,322	229	175.3	-52.4
Sale of investment	869	163	590	47.4	434.3
Others	811	980	786	3.3	-17.2
Total operating income	14,734	13,020	12,479	18.1	13.2
Non operating income	52	47	47	10.4	11.6
Expenses	1,409	1,311	1,191	18.3	7.5
Staff expenses	526	528	470	12.0	-0.3
Depreciation	48	45	44	9.5	8.3
Other expenses	835	739	678	23.3	13.0
PBT	13,377	11,755	11,335	18.0	13.8
Tax	3,670	3,310	3,260	12.6	10.9
PAT	9,707	8,445	8,075	20.2	14.9
Tax rate	27	28	29	-133 bps	-72 bps

Source: Company data

Fig 2 - Other key details

	2Q FY12	1Q FY12	2Q FY11	%у-у	%q-q
Approvals (Rs bn)	238	233	208	14.3	2.1
Disbursements (Rs bn)	205	169	173	18.2	21.3
Outstanding (Rs bn)	1,270	1,242	1,063	19.5	2.3
Gross NPAs (Rs mn)	10,630	10,382	9,393	13.2	2.4
Gross NPL ratio (%)	0.82	0.83	0.86	-4 bps	-1 bps
CAR (%)	13.8	13.8	14.1	-30 bps	0 bps
Tier I (%)	11.7	12.2	13.0	-130 bps	-50 bps

Source: Company data

Fig 3 – Calculated margins

%	2Q FY12	1Q FY12	2Q FY11	FY11
Yield on loans	12.6	11.8	9.8	10.5
Yield on loans including loans sold off	11.4	10.7	10.0	9.5
Cost of funds	9.2	9.0	6.9	7.1
Spread on housing loans	3.4	2.8	2.9	3.3
Spread on housing loans including loans sold off	2.2	1.7	3.1	2.3

Source: Company data and Standard Chartered Research estimates

Equity Research | 2



Fig 4 - Balance sheet

i ig + = Dalance Sheet					
(Rs m)	2Q FY12	1Q FY12	2Q FY11	%у-у	%q-q
Sharecapital	2,944	2,940	2,920	8.0	0.2
Reserves	183,971	177,761	168,887	8.9	3.5
Term loans	323,243	414,279	350,043	-7.7	-22.0
Bonds/debentures/CPs	610,505	515,905	472,897	29.1	18.3
Deposits	317,281	305,004	268,810	18.0	4.0
Total liabilities and shareholders funds	1,437,943	1,415,888	1,263,557	13.8	1.6
Loans	1,269,924	1,241,677	1,062,875	19.5	2.3
Individuals	802,680	778,860	682,635	17.6	3.1
Corporate bodies	451,442	448,233	365,227	23.6	0.7
Others	15,802	14,585	15,014	5.3	8.3
Loans sold down	131,690	118,028	102,939	27.9	11.6
Total loans including loans sold off	1,401,614	1,359,705	1,165,814	20.2	3.1
Investments	149,804	173,282	175,590	-14.7	-13.5
Deferred tax	5,805	4,651	3,110	86.6	24.8
Current assets	78,208	66,302	66,425	17.7	18.0
Current liabilities	68,144	72,373	46,671	46.0	-5.8
Fixed assets	2,346	2,349	2,228	5.3	-0.1
Total assets	1,437,942	1,415,888	1,263,557	13.8	1.6

Source: Company data

| Equity Research | 3



Year end: Mar	2009	2010	2011	2012E	2013E	Year end: Mar	2009	2010	2011	2012E	2013E
Income statement (Rsm)						Balance sheet (Rsm)					
Interest income	99,310	99,790	112,446	144,944	173,933	Cash & central bank	-	-	-	-	-
Interest expenses	(74,324)	(70,631)	(75,599)	(103,465) (124,159)	Due from other banks	-	-	-	-	-
Net interest income	24,986	29,159	36,846	41,479	49,774	Investment securities	-	-	-	-	-
Net fees	1,149	2,317	2,204	2,644	3,173	Gross customer loans	859,009			1,413,953	
FX/dealing income	234	2,094	3,597	3,000	4,000	Loan loss reserve	(7,028)	(8,232)	(6,689)	(8,433)	(10,120)
Other	9,483	9,408	10,534	12,264	14,197	Other loan adjustments	- 054 004	070.070	4 474 000	4 405 540	4 000 000
Non-interest income	10,866	13,818	16,335	17,908 59,387	21,370 71,144	Net loans Goodwill	851,981	979,670	1,171,266	1,405,519	1,686,623
Total revenue	35,852	42,978	53,181	59,387	71,144	Other	164,588	186,744	223,755	232,886	263,584
Staff expenses	(1,386)	(1,467)	(1,755)	(1.913)	(2,085)	Total assets		1,166,414			1,950,207
Premise expenses	-	- (1,107)	(1,700)	- (1,010)	- (2,000)	1 otal accord	1,010,000	1,100,111	1,000,021	1,000,100	1,000,201
Depreciation	(175)	(182)	(192)	(180)	(180)	RWA	852,501	887,725	1,074,166	1,261,572	1,501,659
Other	(1,601)	(1,589)	(1,864)	(2,104)	(2,377)						
Operating expenses	(3,162)	(3,238)	(3,812)	(4,197)	(4,642)	Customer deposits	193,747	230,811	246,251	0	0
						Due to fin. institutions	-	-	-	-	-
Preprovision operating profit	32,690	39,740	49,370	55,190	66,502	Debt outstanding	0	0	0	0	0
	(=00)	(500)	(700)	(770)	(0.00)	Other	691,449	783,626		1,442,363	
Loans loss provisions	(500)	(580)	(700)	(773)	(928)	Total liabilities		1,014,438		1,442,363	
Other provisions	(500)	(580)	(700)	(773)	(038)	Minority interest and pref	2,844	2,871	2 024	2,934	2,934
Total provisions	(500)	(560)	(700)	(113)	(928)	Paid-in cap. and shr. prem. Accumulated earnings	128,529	149,106	2,934 170,231	193,109	219,998
Operating profit	32,190	39,160	48,670	54,417	65,574	Revaluation reserves	120,329	173,100	1,0,231	100,108	<u></u>
Goodwill amortization	0	39,100	40,070	0	05,574	Other reserves	(0)	0	0	0	0
Net disposal profit	-	-	-	-	-	Shareholders' funds	131,374	151,977	173,165	196,043	222,932
Associates	-	-	-	-	-		,	,	,	,- ,-	,
Exceptional items	0	0	0	0	0	Balance sheet ratios (%)					
Other non-operating income	0	0	0	0	0	Core Tier 1	13.2	12.8	12.2	12.3	12.0
Pre-tax profit	32,190	39,160	48,670	54,417	65,574	Total CAR	15.1	14.6	14.0	13.7	13.4
Tax	(9,365)	(10,895)	(13,320)	(13,645)	(17,017)	Loans/ deposits	443.4	428.0	478.4	nm	nm
Minority interests and prefs	0	0	0	(0)	0	AIEA / assets	85.6	87.6	85.2	86.1	86.4
Net profit	22,825	28,265	35,350	40,772	48,558	AIEA / AIBL	113.7	113.3	112.1	111.1	110.7
Dividends	(8,534)	(10,336)	(13,202)	(15,901)	(18,937)	Net loans / assets	83.8	84.0	84.0	85.8	86.5
Retained earnings	14,292	17,929	22,148	24,871	29,620	Loan book breakdown (%)					
Retained earnings	14,292	17,929	22,140	24,071	29,020	Corporate	33	36	36	36	36
Per share data (Rs)						SME loans	-	-	-	-	-
EPS	16.05	19.69	24.10	27.80	33.10	Mortgages	64	62	62	62	62
DPS	6.00	7.20	9.00	10.84	12.91	Other consumer loans	-	-	-	-	-
BVPS	92.37	105.87	118.05	133.65	151.98	Others / offshore	3	2	2	2	2
Growth rates (%)	100		40.0			Asset quality	7.000	0.500		44.044	10.100
Loans Total assets	16.3 20.4	15.0 14.7	19.2 19.6	20.0 17.4	20.0 19.0	NPLs (Rsm) NPL ratio (%)	7,829 0.91	9,500 0.96	9,039	11,244 0.80	13,493
Deposits	71.5	19.1	6.7	nm	19.0	New net NPLs (% beg loans)	0.00	0.00	0.00	0.00	0.00
Shareholders' funds	10.0	15.7	13.9	13.2	13.7	Credit Cost (bps)	6	6	6	6	6
Revenue	17.4	19.9	23.7	11.7	19.8	Reserves / loans (%)	0.82	0.83	0.57	0.60	0.60
Expense	11.3	2.4	17.7	10.1	10.6	Reserve coverage (%)	89.8	86.6	74.0	75.0	75.0
Net profit	-6.3	23.8	25.1	15.3	19.1						
						Operating statistics					
Operating ratios (%)						Staff	1,490	1,505	1,607	1,607	1,607
Non-int income / revenue	30.3	32.2	30.7	30.2	30.0	Branches	267	279	289	289	289
Cost / income	8.8	7.5	7.2	7.1	6.5	Deposits per branch	726	827	852	0	0
Effective tax rate	29.1 37.4	27.8 36.6	27.4 37.3	25.1 39.0	26.0	Foonemic performance (EV/	\ noronosti	· · · · ·			
Dividend payout ratio	37.4	30.0	31.3	39.0	39.0	Economic performance (EVA	-13	ve) -7	21	-7	-5
Rates and margins (%)						Economic profit (Rsm)	24,345	29,468	33,808	42,516	50,244
Net interest margin	2.81	3.07	3.32	3.10	3.10	Economic equity (Rsm)	138,402	160,208	179,855	204,476	233,052
Yield on earning assets	12.50	10.69	10.35	11.15	11.16	Economic ROA (%)	2.62	2.70	2.64	2.80	2.80
Funding cost	9.72	7.83	7.13	8.15	8.15	Economic ROE (%)	18.49	19.74	19.88	22.12	22.97
Net interest spread	2.81	3.07	3.32	3.10	3.10	Adj. BVPS (EE/Share)	97.31	111.60	122.61	139.40	158.88
Decomposition of Returns (%											
Net int inc/Avg assets	2.69	2.67 1.27	2.88	2.73	2.77						
		1 //	1.28	1.18	1.19						-
Non-int inc/Avg assets	1.17		/ 1F	າດາ							
Non-int inc/Avg assets Revenue/Avg Assets	3.85	3.94	4.15	3.92	3.97						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets	3.85 -0.34	3.94 -0.30	-0.30	-0.28	-0.26						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets	3.85 -0.34 3.51	3.94			-0.26 3.71						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets	3.85 -0.34	3.94 -0.30 3.64	-0.30 3.85	-0.28 3.64	-0.26						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets	3.85 -0.34 3.51 -0.05	3.94 -0.30 3.64 -0.05	-0.30 3.85 -0.05	-0.28 3.64 -0.05	-0.26 3.71 -0.05						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets Other Provisions/Avg assets	3.85 -0.34 3.51 -0.05 0.00	3.94 -0.30 3.64 -0.05 0.00	-0.30 3.85 -0.05 0.00	-0.28 3.64 -0.05 0.00	-0.26 3.71 -0.05 0.00						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets Other Provisions/Avg assets Non-operatings/Avg assets Tax/Avg assets Tax/Avg assets	3.85 -0.34 3.51 -0.05 0.00 0.00 3.46 -1.01	3.94 -0.30 3.64 -0.05 0.00 0.00 3.59 -1.00	-0.30 3.85 -0.05 0.00 0.00 3.80 -1.04	-0.28 3.64 -0.05 0.00 0.00 3.59 -0.90	-0.26 3.71 -0.05 0.00 0.00 3.65 -0.95						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets Other Provisions/Avg assets Non-operatings/Avg assets Pre-tax/Avg assets Tax/Avg assets Minorities/Avg assets	3.85 -0.34 3.51 -0.05 0.00 0.00 3.46 -1.01 0.00	3.94 -0.30 3.64 -0.05 0.00 0.00 3.59 -1.00 0.00	-0.30 3.85 -0.05 0.00 0.00 3.80 -1.04	-0.28 3.64 -0.05 0.00 0.00 3.59 -0.90	-0.26 3.71 -0.05 0.00 0.00 3.65 -0.95 0.00						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets Other Provisions/Avg assets Non-operatings/Avg assets Tax/Avg assets Tax/Avg assets Minorities/Avg assets ROAA	3.85 -0.34 3.51 -0.05 0.00 0.00 3.46 -1.01 0.00 2.45	3.94 -0.30 3.64 -0.05 0.00 0.00 3.59 -1.00 0.00 2.59	-0.30 3.85 -0.05 0.00 0.00 3.80 -1.04 0.00 2.76	-0.28 3.64 -0.05 0.00 0.00 3.59 -0.90 0.00 2.69	-0.26 3.71 -0.05 0.00 0.00 3.65 -0.95 0.00 2.71						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets Other Provisions/Avg assets Non-operatings/Avg assets Pre-tax/Avg assets Tax/Avg assets Minorities/Avg assets Minorities/Avg assets ROAA Avg assets/Avg equity (x)	3.85 -0.34 3.51 -0.05 0.00 0.00 3.46 -1.01 0.00 2.45 7.4	3.94 -0.30 3.64 -0.05 0.00 0.00 3.59 -1.00 0.00 2.59 7.7	-0.30 3.85 -0.05 0.00 0.00 3.80 -1.04 0.00 2.76 7.9	-0.28 3.64 -0.05 0.00 0.00 3.59 -0.90 0.00 2.69 8.2	-0.26 3.71 -0.05 0.00 0.00 3.65 -0.95 0.00 2.71 8.6						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets Other Provisions/Avg assets Non-operatings/Avg assets Tax/Avg assets Tax/Avg assets Minorities/Avg assets ROAA Avg assets/Avg equity (x) ROAE	3.85 -0.34 3.51 -0.05 0.00 0.00 3.46 -1.01 0.00 2.45 7.4	3.94 -0.30 3.64 -0.05 0.00 0.00 3.59 -1.00 0.00 2.59 7.7	-0.30 3.85 -0.05 0.00 0.00 3.80 -1.04 0.00 2.76 7.9 21.74	-0.28 3.64 -0.05 0.00 0.00 3.59 -0.90 0.00 2.69 8.2 22.09	-0.26 3.71 -0.05 0.00 0.00 3.65 -0.95 0.00 2.71 8.6 23.18						
Non-int inc/Avg assets Revenue/Avg Assets Expenses/Avg assets PPOP/Avg assets Loan Provisions/Avg assets Other Provisions/Avg assets Non-operatings/Avg assets Pre-tax/Avg assets Tax/Avg assets Minorities/Avg assets Minorities/Avg assets ROAA Avg assets/Avg equity (x)	3.85 -0.34 3.51 -0.05 0.00 0.00 3.46 -1.01 0.00 2.45 7.4	3.94 -0.30 3.64 -0.05 0.00 0.00 3.59 -1.00 0.00 2.59 7.7	-0.30 3.85 -0.05 0.00 0.00 3.80 -1.04 0.00 2.76 7.9	-0.28 3.64 -0.05 0.00 0.00 3.59 -0.90 0.00 2.69 8.2	-0.26 3.71 -0.05 0.00 0.00 3.65 -0.95 0.00 2.71 8.6						

Source: Company, Standard Chartered Research estimates

| Equity Research | 4



Disclosures appendix

The information and opinions in this report were prepared by Standard Chartered Bank (Hong Kong) Limited, Standard Chartered Bank Singapore Branch, Standard Chartered Securities (India) Limited, Standard Chartered Securities Korea Limited and/or one or more of its affiliates (together with its group of companies, "SCB") and the research analyst(s) named in this report. THIS RESEARCH HAS NOT BEEN PRODUCED IN THE UNITED STATES.

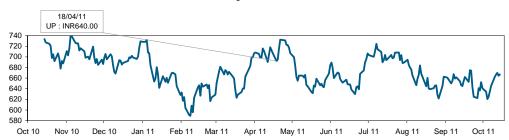
Analyst Certification Disclosure: The research analyst or analysts responsible for the content of this research report certify that: (1) the views expressed and attributed to the research analyst or analysts in the research report accurately reflect their personal opinion(s) about the subject securities and issuers and/or other subject matter as appropriate; and (2) no part of his or her compensation was, is or will be directly or indirectly related to the specific recommendations or views contained in this research report. On a general basis, the efficacy of recommendations is a factor in the performance appraisals of analysts.

Where "disclosure date" appears below, this means the day prior to the report date. All share prices quoted are the closing price for the business day prior to the date of the report, unless otherwise stated.

Company HDFC

As at the disclosure date, the following applies:

SCB and/or its affiliates have received compensation for the provision of investment banking or financial advisory services within the past one year.



HDFC - current rating is: UNDERPERFORM

Source: FactSet prices, SCB ratings and price targets

Recommendation Distribution and Investment Banking Relationships

	% of covered companies currently assigned this rating	% of companies assigned this rating with which SCB has provided investment banking services over the past 12 months
OUTPERFORM	61.4%	13.8%
IN-LINE	30.3%	11.9%
UNDERPERFORM	8.3%	12.8%
As of 30 September 2011		

Research Recommendation

Terminology	Definitions			
OUTPERFORM (OP)	The total return on the security is expected to outperform the relevant market index by 5% or more			
OUT EN ONW (OF)	over the next 12 months			
IN LINE (II.)	The total return on the security is not expected to outperform or underperform the relevant market			
IN-LINE (IL)	index by 5% or more over the next 12 months			
UNDERPERFORM (UP) The total return on the security is expected to underperform the relevant market index by 5% or more over the next 12 months				

SCB uses an investment horizon of 12 months for its price targets.

□ Equity Research □ 5



Additional information, including disclosures, with respect to any securities referred to herein will be available upon request. Requests should be sent to scer@sc.com.

Global Disclaimer: Standard Chartered Bank and/or its affiliates ("SCB") makes no representation or warranty of any kind, express, implied or statutory regarding this document or any information contained or referred to in the document. The information in this document is provided for information purposes only. It does not constitute any offer, recommendation or solicitation to any person to enter into any transaction or adopt any hedging, trading or investment strategy, nor does it constitute any prediction of likely future movements in rates or prices or represent that any such future movements will not exceed those shown in any illustration. The stated price of the securities mentioned herein, if any, is as of the date indicated and is not any representation that any transaction can be effected at this price. While all reasonable care has been taken in preparing this document, no responsibility or liability is accepted for errors of fact or for any opinion expressed herein. The contents of this document may not be suitable for all investors as it has not been prepared with regard to the specific investment objectives or financial situation of any particular person. Any investments discussed may not be suitable for all investors. Users of this document should seek professional advice regarding the appropriateness of investing in any securities, financial instruments or investment strategies referred to in this document and should understand that statements regarding future prospects may not be realised. Opinions, forecasts, assumptions, estimates, derived valuations, projections, and price target(s), if any, contained in this document are as of the date indicated and are subject to change at any time without prior notice. Our recommendations are under constant review. The value and income of any of the securities or financial instruments mentioned in this document can fall as well as rise and an investor may get back less than invested. Future returns are not guaranteed, and a loss of original capital may be incurred. Foreign-currency denominated securities and financial instruments are subject to fluctuation in exchange rates that could have a positive or adverse effect on the value, price or income of such securities and financial instruments. Past performance is not indicative of comparable future results and no representation or warranty is made regarding future performance. While we endeavour to update on a reasonable basis the information and opinions contained herein, there may be regulatory, compliance or other reasons that prevent us from doing so. Accordingly, information may be available to us which is not reflected in this material, and we may have acted upon or used the information prior to or immediately following its publication. SCB is not a legal or tax adviser, and is not purporting to provide legal or tax advice. Independent legal and/or tax advice should be sought for any queries relating to the legal or tax implications of any investment. SCB, and/or a connected company, may have a position in any of the securities, instruments or currencies mentioned in this document. SCB and/or any member of the SCB group of companies or its respective officers, directors, employee benefit programmes or employees, including persons involved in the preparation or issuance of this document may at any time, to the extent permitted by applicable law and/or regulation, be long or short any securities or financial instruments referred to in this document and on the website or have a material interest in any such securities or related investment, or may be the only market maker in relation to such investments, or provide, or have provided advice, investment banking or other services, to issuers of such investments. SCB has in place policies and procedures and physical information walls between its Research Department and differing public and private business functions to help ensure confidential information, including 'inside' information is not disclosed unless in line with its policies and procedures and the rules of its regulators. Data, opinions and other information appearing herein may have been obtained from public sources. SCB makes no representation or warranty as to the accuracy or completeness of such information obtained from public sources. You are advised to make your own independent judgment (with the advice of your professional advisers as necessary) with respect to any matter contained herein and not rely on this document as the basis for making any trading, hedging or investment decision. SCB accepts no liability and will not be liable for any loss or damage arising directly or indirectly (including special, incidental, consequential, punitive or exemplary damages) from use of this document, howsoever arising, and including any loss, damage or expense arising from, but not limited to, any defect, error, imperfection, fault, mistake or inaccuracy with this document, its contents or associated services, or due to any unavailability of the document or any part thereof or any contents or associated services. This material is for the use of intended recipients only and in any jurisdiction in which distribution to private/retail customers would require registration or licensing of the distributor which the distributor does not currently have, this document is intended solely for distribution to professional and institutional investors.

Country-Specific Disclosures - If you are receiving this document in any of the countries listed below, please note the following:

United Kingdom and European Economic Area: Standard Chartered Bank is authorised and regulated in the United Kingdom by the Financial Services

United Kingdom and European Economic Area: Standard Chartered Bank is authorised and regulated in the United Kingdom by the Financial Services Authority. This communication is not directed at Retail Clients in the European Economic Area as defined by Directive 2004/39/EC. Nothing in this document constitutes a personal recommendation or investment advice as defined by Directive 2004/39/EC.

Australia: The Australian Financial Services Licence for Standard Chartered Bank is Licence No. 246833 with the following Australian Registered Business Number (ARBN: 097571778). Australian investors should note that this document was prepared for "wholesale clients" only within the meaning of section 761G of the Australian Corporations Act 2001 (Act) and the Corporations Regulations. This document is not directed at persons who are "retail clients" as defined in the Australian Corporations Act 2001. Brazil: SCB disclosures pursuant to the Securities and Exchange Commission of Brazil ("CVM") Instruction 483/10: This research has not been produced in Brazil. The report has been prepared by the research analyst(s) in an autonomous and independent way, including in relation to SCB. THE SECURITIES MENTIONED IN THIS DOCUMENT HAVE NOT BEEN AND WILL NOT BE REGISTERED PURSUANT TO THE REQUIREMENTS OF THE SECURITIES AND EXCHANGE COMMISSION OF BRAZIL AND MAY NOT BE OFFERED OR SOLD IN BRAZIL EXCEPT PURSUANT TO AN APPLICABLE EXEMPTION FROM THE REGISTRATION REQUIREMENTS AND IN COMPLIANCE WITH THE SECURITIES LAWS OF BRAZIL. Hong Kong: This document is being distributed in Hong Kong by, and is attributable to, Standard Chartered Bank (Hong Kong) Limited which is regulated by the Hong Kong Monetary Authority. India: This document is being distributed in India by Standard Chartered Securities (India) Limited which is a SEBI registered broker and a member of the Bombay Stock Exchange Limited and The National Stock Exchange of India Limited. Korea: This document is being distributed in Korea by, and is attributable to, Standard Chartered Securities Korea Limited which is regulated by the Financial Supervisory Service. Singapore: This document is being distributed in Singapore by Standard Chartered Bank Singapore Branch only to accredited investors, expert investors or institutional investors, as defined in the Securities and Futures Act, Chapter 289 of Singapore. Recipients in Singapore should contact Standard Chartered Bank Singapore Branch in relation to any matters arising from, or in connection with, this document. South Africa: SCB is licensed as a Financial Services Provider in terms of Section 8 of the Financial Advisory and Intermediary Services Act 37 of 2002. SCB is a Registered Credit Provider in terms of the National Credit Act 34 of 2005 under registration number NCRCP4. United States: Except for any documents relating to foreign exchange, FX or global FX, Rates or Commodities, distribution of this document in the United States or to US persons is intended to be solely to major institutional investors as defined in Rule 15a-6(a)(2) under the US Securities Act of 1934. All US persons that receive this document by their acceptance thereof represent and agree that they are a major institutional investor and understand the risks involved in executing transactions in securities. Any US recipient of this document wanting additional information or to effect any transaction in any security or financial instrument mentioned herein, must do so by contacting a registered representative of Standard Chartered Securities (North America) Inc., 1095 Avenue of the Americas, New York, N.Y. 10036, US, tel + 1 212 667 0700. WE DO NOT OFFER OR SELL SECURITIES TO U.S. PERSONS UNLESS EITHER (A) THOSE SECURITIES ARE REGISTERED FOR SALE WITH THE U.S. SECURITIES AND EXCHANGE COMMISSION AND WITH ALL APPROPRIATE U.S. STATE AUTHORITIES; OR (B) THE SECURITIES OR THE SPECIFIC TRANSACTION QUALIFY FOR AN EXEMPTION UNDER THE U.S. FEDERAL AND STATE SECURITIES LAWS NOR DO WE OFFER OR SELL SECURITIES TO U.S. PERSONS UNLESS (i) WE, OUR AFFILIATED COMPANY AND THE APPROPRIATE PERSONNEL ARE PROPERLY REGISTERED OR LICENSED TO CONDUCT BUSINESS; OR (ii) WE, OUR AFFILIATED COMPANY AND THE APPROPRIATE PERSONNEL QUALIFY FOR EXEMPTIONS UNDER APPLICABLE U.S. FEDERAL AND STATE LAWS.

© Copyright 2011 Standard Chartered Bank and its affiliates. All rights reserved. All copyrights subsisting and arising out of all materials, text, articles and information contained herein is the property of Standard Chartered Bank and/or its affiliates, and may not be reproduced, redistributed, amended, modified, adapted, transmitted in any form, or translated in any way without the prior written permission of Standard Chartered Bank.

□ Equity Research □ 6