

# EdelWeiss Capital (EDEL.BO)

Results

## Sell: 1Q09 Results: Weaker, but Is It a Surprise?

- 1Q09 profits down 23% QoQ (+52% YoY)** — 1Q09 revenues and profits were 25% below expectations and therefore a bit of a surprise. Revenues were down 34% QoQ, led by sharper declines in arbitrage trading and investment banking and brokerage revenues. These have higher leverage to the market and therefore were in line with industry trends. Sharp cost reduction was the key highlight for 1Q, a significant advantage in an uncertain market environment.
- Brokerage and investment banking** — Edelweiss' volumes were down 26% QoQ, slightly higher than the industry (-17% QoQ). Higher decline in revenues (-38% QoQ) was due to: a) higher derivatives proportion (an industry trend), and b) sharper decline in investment banking revenues (-75% QoQ).
- Financing and asset management** — Lending portfolio increased to over Rs10bn (from Rs9bn in 4Q08); management continues to focus on this as a key growth engine. Sharp QoQ drop in revenues was due to the decline in IPO funding. AUMs have remained largely constant at US\$600m (US\$625m in 4Q08) and is a relatively stable source of fee income.
- Key positive - appears to have costs flexibility** — Operating costs (after adjusting for treatment of STT) have declined 55% QoQ. This is significantly higher than the drop in volumes and does appear to provide a large operating flexibility, a necessity and an advantage over peers in the current environment.
- Reiterate Sell (3M)** — We continue to see significant operating pressures on brokerages due low market volumes and continued uncertainty. Maintain Sell.

<b>Sell/High Risk</b>	<b>3H</b>
Price (11 Jul 08)	Rs524.35
Target price	Rs760.00
Expected share price return	44.9%
Expected dividend yield	0.2%
<b>Expected total return</b>	<b>45.1%</b>
Market Cap	Rs39,291M US\$917M

### Price Performance (RIC: EDEL.BO, BB: EDEL IN)



### Statistical Abstract

Year to	Net Profit	Diluted EPS	EPS growth	P/E	P/B	ROE	Yield
31 Mar	(RsM)	(Rs)	(%)	(x)	(x)	(%)	(%)
2006A	405	15.54	-6.1	33.8	11.1	34.9	0.0
2007A	1,090	26.34	69.5	19.9	4.0	28.7	0.0
2008E	2,606	43.50	65.2	12.1	2.3	22.7	0.1
2009E	3,155	42.13	-3.2	12.4	1.9	16.9	0.2
2010E	3,982	53.16	26.2	9.9	1.6	18.0	0.3

Source: Powered by dataCentral

### Manish Chowdhary, CFA<sup>1</sup>

+91-22-6631-9853  
 manish.chowdhary@citi.com

### Aditya Narain, CFA<sup>1</sup>

+91-22-6631-9879  
 aditya.narain@citi.com

### Naveenan Ramachandran<sup>1</sup>

naveenan.ramachandran@citi.com

See Appendix A-1 for Analyst Certification and important disclosures.

Citi Investment Research is a division of Citigroup Global Markets Inc. (the "Firm"), which does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the Firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Non-US research analysts who have prepared this report are not registered/qualified as research analysts with the NYSE and/or NASD. Such research analysts may not be associated persons of the member organization and therefore may not be subject to the NYSE Rule 472 and NASD Rule 2711 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

<sup>1</sup>Citigroup Global Markets India Private Limited

Fiscal year end 31-Mar	2006	2007	2008E	2009E	2010E
<b>Valuation Ratios</b>					
P/E adjusted (x)	33.8	19.9	12.1	12.4	9.9
P/E reported (x)	33.8	19.9	12.1	12.4	9.9
P/BV (x)	11.1	4.0	2.3	1.9	1.6
P/Adjusted BV diluted (x)	11.1	4.0	2.3	1.9	1.6
Dividend yield (%)	0.0	0.0	0.1	0.2	0.3
<b>Per Share Data (Rs)</b>					
EPS adjusted	15.54	26.34	43.50	42.13	53.16
EPS reported	15.54	26.34	43.50	42.13	53.16
BVPS	47.15	129.50	229.05	270.05	321.53
Tangible BVPS	47.15	129.50	229.05	270.05	321.53
Adjusted BVPS diluted	47.15	129.50	229.05	270.05	321.53
DPS	0.13	0.25	0.50	1.00	1.50
<b>Profit &amp; Loss (RsM)</b>					
Net interest income	-28	-58	6	1,442	2,487
Fees and commissions	296	713	1,146	1,601	2,052
Other operating Income	1,259	2,871	6,410	7,603	9,129
<b>Total operating income</b>	<b>1,526</b>	<b>3,526</b>	<b>7,562</b>	<b>10,646</b>	<b>13,668</b>
Total operating expenses	-832	-1,788	-3,510	-5,381	-6,824
<b>Oper. profit bef. provisions</b>	<b>694</b>	<b>1,738</b>	<b>4,052</b>	<b>5,265</b>	<b>6,844</b>
Bad debt provisions	0	0	-50	-100	-150
Non-operating/exceptionals	0	0	0	0	0
<b>Pre-tax profit</b>	<b>694</b>	<b>1,738</b>	<b>4,002</b>	<b>5,165</b>	<b>6,694</b>
Tax	-230	-646	-1,328	-1,714	-2,221
Extraord./Min. Int./Pref. Div.	-59	-2	-68	-296	-491
<b>Attributable profit</b>	<b>405</b>	<b>1,090</b>	<b>2,606</b>	<b>3,155</b>	<b>3,982</b>
Adjusted earnings	405	1,090	2,606	3,155	3,982
<b>Growth Rates (%)</b>					
EPS adjusted	-6.1	69.5	65.2	-3.2	26.2
Oper. profit bef. prov.	104.1	150.3	133.1	29.9	30.0
<b>Balance Sheet (RsM)</b>					
<b>Total assets</b>	<b>3,511</b>	<b>12,687</b>	<b>35,245</b>	<b>48,908</b>	<b>67,052</b>
Avg interest earning assets	4,039	7,456	22,674	40,204	55,766
Customer loans	700	2,616	12,316	22,316	32,316
Gross NPLs	0	0	0	0	0
<b>Liab. &amp; shar. funds</b>	<b>3,511</b>	<b>12,687</b>	<b>35,245</b>	<b>48,908</b>	<b>67,052</b>
Total customer deposits	0	0	0	0	0
Reserve for loan losses	0	0	0	0	0
Shareholders' equity	<b>1,784</b>	<b>5,823</b>	<b>17,159</b>	<b>20,230</b>	<b>24,085</b>
<b>Profitability/Solvency Ratios (%)</b>					
ROE adjusted	34.9	28.7	22.7	16.9	18.0
Net interest margin	-0.70	-0.78	0.03	3.59	4.46
Cost/income ratio	54.5	50.7	46.4	50.5	49.9
Cash cost/average assets	35.7	22.1	14.6	12.8	11.8
NPLs/customer loans	0.0	0.0	0.0	0.0	0.0
Reserve for loan losses/NPLs	na	na	na	na	na
Bad debt prov./avg. cust. loans	0.0	0.0	0.7	0.6	0.5
Loans/deposit ratio	na	na	na	na	na
Tier 1 capital ratio	na	na	na	na	na
Total capital ratio	na	na	na	na	na

For further data queries on Citi's full coverage universe please contact CIR Data Services Asia Pacific at CIRDataServicesAsiaPacific@citi.com or +852-2501-2791



Figure 1. EdelWeiss Capital: 1Q FY09 Results – Highlights (Rupees Million, Percent)

	1Q09	1Q08	YoY %	4Q08	QoQ%	Citi Investment Research Comments
Fee and Commission Income	887	816	8.7	1,445	-38.6	Significantly sharper drop than industry volumes (down 26% QoQ); higher revenue drop due to low investment banking revenue and higher derivatives proportion (in-line with industry)
Arbitrage and Trading (Securities / Derivatives)	703	446	57.5	1,343	-47.7	While somewhat anticipated - decline has been much sharper; a reflection of declining opportunities in the face of much lower industry volumes
Income from Investments and Dividend	337	78	332.9	185	82.6	Only growth area QoQ - large volume of dividends received in 1Q
Interest Income	763	98	678.7	1,086	-29.7	Weaker than estimates - sharp unwind of the IPO financing portfolio; loan against securities reported some growth
<b>Gross Revenues</b>	<b>2,689</b>	<b>1,437</b>	<b>87.1</b>	<b>4,058</b>	<b>-33.7</b>	<b>25% lower than estimates - arbitrage trading and a surprise decline in brokerage revenues leading the fall</b>
Interest expense	(439)	(149)	194.5	(829)	-47.1	
Net Revenues	2,251	1,288	74.7	3,228	-30.3	
Employee Cost	(497)	(363)	36.9	(824)	-39.7	QoQ drop due to accounting of bonus in 4Q; YoY growth in-line with increase in employee base
Operating Expenses	(691)	(263)	163.2	(939)	-26.4	Some flexibility in operating expenses which provides operating leverage in an uncertain environment; excluding impact of STT (change in classification of STT as op ex from tax paid earlier) QoQ drop is almost 55%
<b>Pre-Tax Profit</b>	<b>1,062</b>	<b>663</b>	<b>60.3</b>	<b>1,466</b>	<b>-27.5</b>	<b>22% below estimates</b>
Tax	(361)	(229)	57.7	(526)	-31.4	
Minorities	(63)	(14)	338.9	(114)	-44.5	
<b>Net Profit</b>	<b>638</b>	<b>419</b>	<b>52.1</b>	<b>826</b>	<b>-22.7</b>	<b>25% below estimates; weaker than anticipated revenues, though there appears to be significant operating flexibility on costs</b>

Source: Company reports, Citi Investment Research

## EdelWeiss Capital

### Company description

Edelweiss, founded in 1995, started as a niche investment bank that focused on private-equity syndications. It was co-founded by Rashesh Shah, MD and CEO, and Venkat Ramaswamy, ED and Co-head - Investment Banking. Edelweiss has over the years built a diversified product offering in the institutional segment through broking and investment-banking services, backed by a strong treasury and arbitrage trading portfolio. Edelweiss also offers financing against shares, asset and wealth management, and insurance broking. It operates its various businesses directly and through various subsidiaries, which are consolidated under the parent.

### Investment strategy

We rate Edelweiss Sell/High Risk. We believe the stock is fully discounting the company's favourable positioning, high growth rates and strong management. Stock-market volumes have declined more than 50% from their peak in October 2007, and remain volatile. We expect global uncertainty to exert continued pressure on stock-market volumes, and are therefore cautious on extrapolating past growth rates and valuations. We expect FY09E industry volumes to slow 5-10% from a high base. While volumes will remain cyclical

and volatile in the near term, we expect growth to normalize to 15-20% in the longer term.

## **Valuation**

Our target price of Rs760 is based on a sum-of-the-parts valuation. We use 18x FY09E EPS - a 20% premium to the current Sensex multiple of 15x - to value its brokerage and related businesses (Rs424), 2x FY09E BV for its financing business (Rs182), and 1.5x FY09E BV for its arbitrage trading business (Rs154). We accord a premium to the brokerage/related businesses to factor in Edelweiss' strong business growth and management record. To better capture the asset-heavy nature of the capital-intensive financing and arbitrage businesses, we use a P/BV approach. We value the financing business at 2x FY09E BV, largely in line with our target multiples for other similar financing businesses, after factoring in its risk-reward profile, growth potential, capital-market dependence and wholesale funding model. We use a lower multiple for arbitrage trading than for the financing business to reflect the former's lower return profile and challenges in scaling up without a corresponding increase in market breadth and volumes.

## **Risks**

We rate Edelweiss High Risk, though our quantitative risk-rating system, which tracks 260-day historical share-price volatility, suggests Speculative Risk due to the stock's short trading history. We prefer High Risk to Speculative Risk because Edelweiss is diversifying its revenue profile from purely brokerage and arbitrage to financing and wealth management, and the company has a good track record. However, its revenues continue to be closely linked to capital market growth and volatility. Upside risks to our target price include: a) stronger than expected growth in brokerage volumes; b) higher than expected returns on the treasury portfolio; c) further infusion of capital/faster than estimated growth in the financing portfolio; d) a decline in interest rates; e) forays into other businesses, including retail brokerage; and f) regulatory changes.

# Appendix A-1

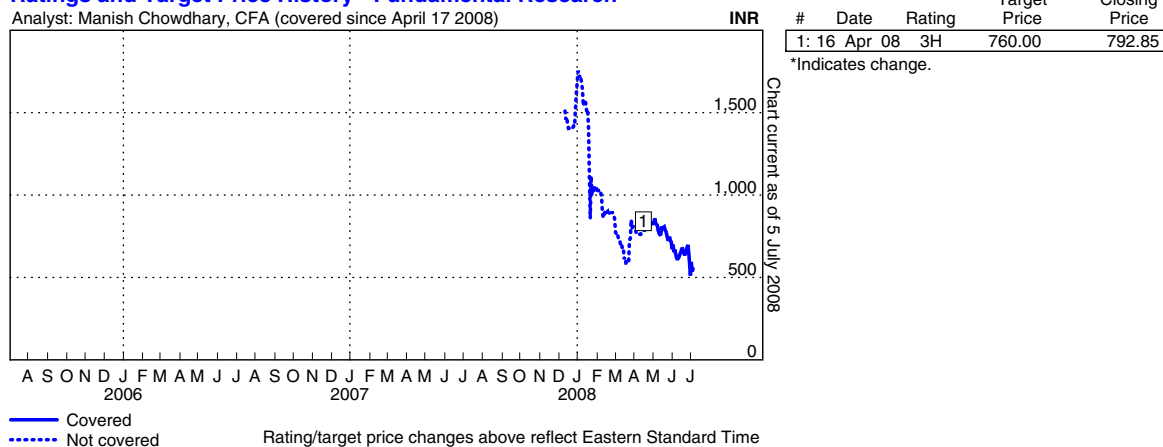
## Analyst Certification

Each research analyst(s) principally responsible for the preparation and content of all or any identified portion of this research report hereby certifies that, with respect to each issuer or security or any identified portion of the report with respect to an issuer or security that the research analyst covers in this research report, all of the views expressed in this research report accurately reflect their personal views about those issuer(s) or securities. Each research analyst(s) also certify that no part of their compensation was, is, or will be, directly or indirectly, related to the specific recommendation(s) or view(s) expressed by that research analyst in this research report.

## IMPORTANT DISCLOSURES

### EdelWeiss Capital (EDEL.BO) Ratings and Target Price History - Fundamental Research

Analyst: Manish Chowdhary, CFA (covered since April 17 2008)



Within the past 12 months, Citigroup Global Markets Inc. or its affiliates has acted as manager or co-manager of an offering of securities of EdelWeiss Capital.

Citigroup Global Markets Inc. or its affiliates has received compensation for investment banking services provided within the past 12 months from EdelWeiss Capital.

Citigroup Global Markets Inc. or an affiliate received compensation for products and services other than investment banking services from EdelWeiss Capital in the past 12 months.

Citigroup Global Markets Inc. currently has, or had within the past 12 months, the following company(ies) as investment banking client(s): EdelWeiss Capital.

Citigroup Global Markets Inc. currently has, or had within the past 12 months, the following company(ies) as clients, and the services provided were non-investment-banking, securities-related: EdelWeiss Capital.

Citigroup Global Markets Inc. currently has, or had within the past 12 months, the following company(ies) as clients, and the services provided were non-investment-banking, non-securities-related: EdelWeiss Capital.

Analysts' compensation is determined based upon activities and services intended to benefit the investor clients of Citigroup Global Markets Inc. and its affiliates ("the Firm"). Like all Firm employees, analysts receive compensation that is impacted by overall firm profitability, which includes revenues from, among other business units, the Private Client Division, Institutional Sales and Trading, and Investment Banking.

For important disclosures (including copies of historical disclosures) regarding the companies that are the subject of this Citi Investment Research product ("the Product"), please contact Citi Investment Research, 388 Greenwich Street, 29th Floor, New York, NY, 10013, Attention: Legal/Compliance. In addition, the same important disclosures, with the exception of the Valuation and Risk assessments and historical disclosures, are contained on the Firm's disclosure website at [www.citigroupgeo.com](http://www.citigroupgeo.com). Private Client Division clients should refer to [www.smithbarney.com/research](http://www.smithbarney.com/research). Valuation and Risk assessments can be found in the text of the most recent research note/report regarding the subject company. Historical disclosures (for up to the past three years) will be provided upon request.

### Citi Investment Research Ratings Distribution

Data current as of 30 June 2008

	Buy	Hold	Sell
Citi Investment Research Global Fundamental Coverage (3096)	50%	36%	14%
% of companies in each rating category that are investment banking clients	53%	52%	42%

### Guide to Fundamental Research Investment Ratings:

Citi Investment Research's stock recommendations include a risk rating and an investment rating.

**Risk ratings**, which take into account both price volatility and fundamental criteria, are: Low (L), Medium (M), High (H), and Speculative (S).

**Investment ratings** are a function of Citi Investment Research's expectation of total return (forecast price appreciation and dividend yield within the next 12 months) and risk rating.

For securities in emerging markets (Asia Pacific, Emerging Europe/Middle East/Africa, and Latin America), investment ratings are: Buy (1) (expected total return of 15% or more for Low-Risk stocks, 20% or more for Medium-Risk stocks, 30% or more for High-Risk stocks, and 40% or more for Speculative stocks); Hold (2) (5%-15% for Low-Risk stocks, 10%-20% for Medium-Risk stocks, 15%-30% for High-Risk stocks, and 20%-40% for Speculative stocks); and Sell (3) (5% or less for Low-Risk stocks,

10% or less for Medium-Risk stocks, 15% or less for High-Risk stocks, and 20% or less for Speculative stocks).

Investment ratings are determined by the ranges described above at the time of initiation of coverage, a change in investment and/or risk rating, or a change in target price (subject to limited management discretion). At other times, the expected total returns may fall outside of these ranges because of market price movements and/or other short-term volatility or trading patterns. Such interim deviations from specified ranges will be permitted but will become subject to review by Research Management. Your decision to buy or sell a security should be based upon your personal investment objectives and should be made only after evaluating the stock's expected performance and risk.

---

Guide to Corporate Bond Research Credit Opinions and Investment Ratings: Citi Investment Research's corporate bond research issuer publications include a fundamental credit opinion of Improving, Stable or Deteriorating and a complementary risk rating of Low (L), Medium (M), High (H) or Speculative (S) regarding the credit risk of the company featured in the report. The fundamental credit opinion reflects the CIR analyst's opinion of the direction of credit fundamentals of the issuer without respect to securities market vagaries. The fundamental credit opinion is not geared to, but should be viewed in the context of, debt ratings issued by major public debt ratings companies such as Moody's Investors Service, Standard and Poor's, and Fitch Ratings. CBR risk ratings are approximately equivalent to the following matrix: Low Risk -- Triple A to Low Double A; Low to Medium Risk -- High Single A through High Triple B; Medium to High Risk -- Mid Triple B through High Double B; High to Speculative Risk -- Mid Double B and Below. The risk rating element illustrates the analyst's opinion of the relative likelihood of loss of principal when a fixed income security issued by a company is held to maturity, based upon both fundamental and market risk factors. Certain reports published by Citi Investment Research will also include investment ratings on specific issues of companies under coverage which have been assigned fundamental credit opinions and risk ratings. Investment ratings are a function of Citi Investment Research's expectations for total return, relative return (relative to the performance of relevant Citi bond indices), and risk rating. These investment ratings are: Buy/Overweight -- the bond is expected to outperform the relevant Citigroup bond market sector index (Broad Investment Grade, High Yield Market or Emerging Market); Hold/Neutral Weight -- the bond is expected to perform in line with the relevant Citigroup bond market sector index; or Sell/Underweight -- the bond is expected to underperform the relevant Citigroup bond market sector index. Performance data for Citi bond indices are updated monthly, are available upon request and can also be viewed at <http://sd.ny.ssmb.com/> using the "Indexes" tab.

---

## OTHER DISCLOSURES

---

The subject company's share price set out on the front page of this Product is quoted as at 11 July 2008 03:52 PM on the issuer's primary market.

---

For securities recommended in the Product in which the Firm is not a market maker, the Firm is a liquidity provider in the issuers' financial instruments and may act as principal in connection with such transactions. The Firm is a regular issuer of traded financial instruments linked to securities that may have been recommended in the Product. The Firm regularly trades in the securities of the subject company(ies) discussed in the Product. The Firm may engage in securities transactions in a manner inconsistent with the Product and, with respect to securities covered by the Product, will buy or sell from customers on a principal basis.

---

Securities recommended, offered, or sold by the Firm: (i) are not insured by the Federal Deposit Insurance Corporation; (ii) are not deposits or other obligations of any insured depository institution (including Citibank); and (iii) are subject to investment risks, including the possible loss of the principal amount invested. Although information has been obtained from and is based upon sources that the Firm believes to be reliable, we do not guarantee its accuracy and it may be incomplete and condensed. Note, however, that the Firm has taken all reasonable steps to determine the accuracy and completeness of the disclosures made in the Important Disclosures section of the Product. The Firm's research department has received assistance from the subject company(ies) referred to in this Product including, but not limited to, discussions with management of the subject company(ies). Firm policy prohibits research analysts from sending draft research to subject companies. However, it should be presumed that the author of the Product has had discussions with the subject company to ensure factual accuracy prior to publication. All opinions, projections and estimates constitute the judgment of the author as of the date of the Product and these, plus any other information contained in the Product, are subject to change without notice. Prices and availability of financial instruments also are subject to change without notice. Notwithstanding other departments within the Firm advising the companies discussed in this Product, information obtained in such role is not used in the preparation of the Product. Although Citi Investment Research does not set a predetermined frequency for publication, if the Product is a fundamental research report, it is the intention of Citi Investment Research to provide research coverage of the/those issuer(s) mentioned therein, including in response to news affecting this issuer, subject to applicable quiet periods and capacity constraints. The Product is for informational purposes only and is not intended as an offer or solicitation for the purchase or sale of a security. Any decision to purchase securities mentioned in the Product must take into account existing public information on such security or any registered prospectus.

---

Investing in non-U.S. securities, including ADRs, may entail certain risks. The securities of non-U.S. issuers may not be registered with, nor be subject to the reporting requirements of the U.S. Securities and Exchange Commission. There may be limited information available on foreign securities. Foreign companies are generally not subject to uniform audit and reporting standards, practices and requirements comparable to those in the U.S. Securities of some foreign companies may be less liquid and their prices more volatile than securities of comparable U.S. companies. In addition, exchange rate movements may have an adverse effect on the value of an investment in a foreign stock and its corresponding dividend payment for U.S. investors. Net dividends to ADR investors are estimated, using withholding tax rates conventions, deemed accurate, but investors are urged to consult their tax advisor for exact dividend computations. Investors who have received the Product from the Firm may be prohibited in certain states or other jurisdictions from purchasing securities mentioned in the Product from the Firm. Smith Barney clients can ask their Financial Advisor for additional details. Citigroup Global Markets Inc. takes responsibility for the Product in the United States. Any orders by US investors resulting from the information contained in the Product may be placed only through Citigroup Global Markets Inc.

---

The Citigroup legal entity that takes responsibility for the production of the Product is the legal entity which the first named author is employed by. The Product is made available in Australia to wholesale clients through Citigroup Global Markets Australia Pty Ltd. (ABN 64 003 114 832 and AFSL No. 240992) and to retail clients through Citi Smith Barney Pty Ltd. (ABN 19 009 145 555 and AFSL No. 240813), Participants of the ASX Group and regulated by the Australian Securities & Investments Commission. Citigroup Centre, 2 Park Street, Sydney, NSW 2000. The Product is made available in Australia to Private Banking wholesale clients through Citigroup Pty Limited (ABN 88 004 325 080 and AFSL 238098). Citigroup Pty Limited provides all financial product advice to Australian Private Banking wholesale clients through bankers and relationship managers. If there is any doubt about the suitability of investments held in Citigroup Private Bank accounts, investors should contact the Citigroup Private Bank in Australia. Citigroup companies may compensate affiliates and their representatives for providing products and services to clients. The Product is made available in Brazil by Citigroup Global Markets Brasil - CCTVM SA, which is regulated by CVM - Comissão de Valores Mobiliários, BACEN - Brazilian Central Bank, APIMEC - Associação Associação dos Analistas e Profissionais de Investimento do Mercado de Capitais and ANBID - Associação Nacional dos Bancos de Investimento. Av. Paulista, 1111 - 11º andar - CEP. 01311920 - São Paulo - SP. If the Product is being made available in certain provinces of Canada by Citigroup Global Markets (Canada) Inc. ("CGM Canada"), CGM Canada has approved the Product. Citigroup Place, 123 Front Street West, Suite 1100, Toronto, Ontario M5J 2M3. The Product is made available in France by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. 1-5 Rue Paul Cézanne, 8ème, Paris, France. The Product may not be distributed to private clients in Germany. The Product is distributed in Germany by Citigroup Global Markets Deutschland AG & Co. KGaA, which is regulated by



Bundesanstalt fuer Finanzdienstleistungsaufsicht (BaFin). Frankfurt am Main, Reuterweg 16, 60323 Frankfurt am Main. If the Product is made available in Hong Kong by, or on behalf of, Citigroup Global Markets Asia Ltd., it is attributable to Citigroup Global Markets Asia Ltd., Citibank Tower, Citibank Plaza, 3 Garden Road, Hong Kong. Citigroup Global Markets Asia Ltd. is regulated by Hong Kong Securities and Futures Commission. If the Product is made available in Hong Kong by The Citigroup Private Bank to its clients, it is attributable to Citibank N.A., Citibank Tower, Citibank Plaza, 3 Garden Road, Hong Kong. The Citigroup Private Bank and Citibank N.A. is regulated by the Hong Kong Monetary Authority. The Product is made available in India by Citigroup Global Markets India Private Limited, which is regulated by Securities and Exchange Board of India. Bakhtawar, Nariman Point, Mumbai 400-021. The Product is made available in Indonesia through PT Citigroup Securities Indonesia. 5/F, Citibank Tower, Bapindo Plaza, Jl. Jend. Sudirman Kav. 54-55, Jakarta 12190. Neither this Product nor any copy hereof may be distributed in Indonesia or to any Indonesian citizens wherever they are domiciled or to Indonesian residents except in compliance with applicable capital market laws and regulations. This Product is not an offer of securities in Indonesia. The securities referred to in this Product have not been registered with the Capital Market and Financial Institutions Supervisory Agency (BAPEPAM-LK) pursuant to relevant capital market laws and regulations, and may not be offered or sold within the territory of the Republic of Indonesia or to Indonesian citizens through a public offering or in circumstances which constitute an offer within the meaning of the Indonesian capital market laws and regulations. The Product is made available in Italy by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. Foro Buonaparte 16, Milan, 20121, Italy. If the Product was prepared by Citi Investment Research and distributed in Japan by Nikko Citigroup Limited ("NCL"), it is being so distributed under license. If the Product was prepared by NCL and distributed by Nikko Cordial Securities Inc. or Citigroup Global Markets Inc. it is being so distributed under license. NCL is regulated by Financial Services Agency, Securities and Exchange Surveillance Commission, Japan Securities Dealers Association, Tokyo Stock Exchange and Osaka Securities Exchange. Shin-Marunouchi Building, 1-5-1 Marunouchi, Chiyoda-ku, Tokyo 100-6520 Japan. In the event that an error is found in an NCL research report, a revised version will be posted on Citi Investment Research's Global Equities Online (GEO) website. If you have questions regarding GEO, please call (81 3) 6270-3019 for help. The Product is made available in Korea by Citigroup Global Markets Korea Securities Ltd., which is regulated by Financial Supervisory Commission and the Financial Supervisory Service. Hungkuk Life Insurance Building, 226 Shinmunno 1-GA, Jongno-Gu, Seoul, 110-061. The Product is made available in Malaysia by Citigroup Global Markets Malaysia Sdn Bhd, which is regulated by Malaysia Securities Commission. Menara Citibank, 165 Jalan Ampang, Kuala Lumpur, 50450. The Product is made available in Mexico by Acciones y Valores Banamex, S.A. De C. V., Casa de Bolsa, which is regulated by Comision Nacional Bancaria y de Valores. Reforma 398, Col. Juarez, 06600 Mexico, D.F. In New Zealand the Product is made available through Citigroup Global Markets New Zealand Ltd. (Company Number 604457), a Participant of the New Zealand Exchange Limited and regulated by the New Zealand Securities Commission. Level 19, Mobile on the Park, 157 Lambton Quay, Wellington. The Product is made available in Pakistan by Citibank N.A. Pakistan branch, which is regulated by the State Bank of Pakistan and Securities Exchange Commission, Pakistan. AWT Plaza, 1.1. Chundrigar Road, P.O. Box 4889, Karachi-74200. The Product is made available in Poland by Dom Maklerski Banku Handlowego SA an indirect subsidiary of Citigroup Inc., which is regulated by Komisja Papierów Wartosciowych i Gield. Bank Handlowy w Warszawie S.A. ul. Senatorska 16, 00-923 Warszawa. The Product is made available in the Russian Federation through ZAO Citibank, which is licensed to carry out banking activities in the Russian Federation in accordance with the general banking license issued by the Central Bank of the Russian Federation and brokerage activities in accordance with the license issued by the Federal Service for Financial Markets. Neither the Product nor any information contained in the Product shall be considered as advertising the securities mentioned in this report within the territory of the Russian Federation or outside the Russian Federation. The Product does not constitute an appraisal within the meaning of the Federal Law of the Russian Federation of 29 July 1998 No. 135-FZ (as amended) On Appraisal Activities in the Russian Federation. 8-10 Gasheka Street, 125047 Moscow. The Product is made available in Singapore through Citigroup Global Markets Singapore Pte. Ltd., a Capital Markets Services Licence holder, and regulated by Monetary Authority of Singapore. 1 Temasek Avenue, #39-02 Millenia Tower, Singapore 039192. The Product is made available by The Citigroup Private Bank in Singapore through Citibank, N.A., Singapore branch, a licensed bank in Singapore that is regulated by Monetary Authority of Singapore. Citigroup Global Markets (Pty) Ltd. is incorporated in the Republic of South Africa (company registration number 2000/025866/07) and its registered office is at 145 West Street, Sandton, 2196, Saxonwold. Citigroup Global Markets (Pty) Ltd. is regulated by JSE Securities Exchange South Africa, South African Reserve Bank and the Financial Services Board. The investments and services contained herein are not available to private customers in South Africa. The Product is made available in Spain by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. 29 Jose Ortega Y Gassef, 4th Floor, Madrid, 28006, Spain. The Product is made available in Taiwan through Citigroup Global Markets Inc. (Taipei Branch), which is regulated by Securities & Futures Bureau. No portion of the report may be reproduced or quoted in Taiwan by the press or any other person. No. 8 Manhattan Building, Hsin Yi Road, Section 5, Taipei 100, Taiwan. The Product is made available in Thailand through Citicorp Securities (Thailand) Ltd., which is regulated by the Securities and Exchange Commission of Thailand. 18/F, 22/F and 29/F, 82 North Sathorn Road, Silom, Bangrak, Bangkok 10500, Thailand. The Product is made available in Turkey through Citibank AS which is regulated by Capital Markets Board. Tekfen Tower, Eski Buyukdere Caddesi # 209 Kat 2B, 23294 Levent, Istanbul, Turkey. The Product is made available in U.A.E. by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. DIFC, Bldg 2, Level 7, PO Box 506560, Dubai, UAE. The Product is made available in United Kingdom by Citigroup Global Markets Limited, which is authorised and regulated by Financial Services Authority. This material may relate to investments or services of a person outside of the UK or to other matters which are not regulated by the FSA and further details as to where this may be the case are available upon request in respect of this material. Citigroup Centre, Canada Square, Canary Wharf, London, E14 5LB. The Product is made available in United States by Citigroup Global Markets Inc, which is regulated by NASD, NYSE and the US Securities and Exchange Commission. 388 Greenwich Street, New York, NY 10013. Unless specified to the contrary, within EU Member States, the Product is made available by Citigroup Global Markets Limited, which is regulated by Financial Services Authority. Many European regulators require that a firm must establish, implement and make available a policy for managing conflicts of interest arising as a result of publication or distribution of investment research. The policy applicable to Citi Investment Research's Products can be found at [www.citigroupgeo.com](http://www.citigroupgeo.com). Compensation of equity research analysts is determined by equity research management and Citigroup's senior management and is not linked to specific transactions or recommendations. The Product may have been distributed simultaneously, in multiple formats, to the Firm's worldwide institutional and retail customers. The Product is not to be construed as providing investment services in any jurisdiction where the provision of such services would not be permitted. Subject to the nature and contents of the Product, the investments described therein are subject to fluctuations in price and/or value and investors may get back less than originally invested. Certain high-volatility investments can be subject to sudden and large falls in value that could equal or exceed the amount invested. Certain investments contained in the Product may have tax implications for private customers whereby levels and basis of taxation may be subject to change. If in doubt, investors should seek advice from a tax adviser. The Product does not purport to identify the nature of the specific market or other risks associated with a particular transaction. Advice in the Product is general and should not be construed as personal advice given it has been prepared without taking account of the objectives, financial situation or needs of any particular investor. Accordingly, investors should, before acting on the advice, consider the appropriateness of the advice, having regard to their objectives, financial situation and needs. Prior to acquiring any financial product, it is the client's responsibility to obtain the relevant offer document for the product and consider it before making a decision as to whether to purchase the product.

© 2008 Citigroup Global Markets Inc. (© Nikko Citigroup Limited, if this Product was prepared by it). Citi Investment Research is a division and service mark of Citigroup Global Markets Inc. and its affiliates and is used and registered throughout the world. Citi and Citi with Arc Design are trademarks and service marks of Citigroup Inc and its affiliates and are used and registered throughout the world. Nikko is a registered trademark of Nikko Cordial Corporation. All rights reserved. Any unauthorized use, duplication, redistribution or disclosure is prohibited by law and will result in prosecution. Where included in this report, MSCI sourced information is the exclusive property of Morgan Stanley Capital International Inc. (MSCI). Without prior written permission of MSCI, this information and any other MSCI intellectual property may not be reproduced, disseminated or used to create any financial products, including any indices. This information is provided on an "as is" basis. The user assumes the entire

risk of any use made of this information. MSCI, its affiliates and any third party involved in, or related to, computing or compiling the information hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to any of this information. Without limiting any of the foregoing, in no event shall MSCI, any of its affiliates or any third party involved in, or related to, computing or compiling the information have any liability for any damages of any kind. MSCI, Morgan Stanley Capital International and the MSCI indexes are services marks of MSCI and its affiliates. The information contained in the Product is intended solely for the recipient and may not be further distributed by the recipient. The Firm accepts no liability whatsoever for the actions of third parties. The Product may provide the addresses of, or contain hyperlinks to, websites. Except to the extent to which the Product refers to website material of the Firm, the Firm has not reviewed the linked site. Equally, except to the extent to which the Product refers to website material of the Firm, the Firm takes no responsibility for, and makes no representations or warranties whatsoever as to, the data and information contained therein. Such address or hyperlink (including addresses or hyperlinks to website material of the Firm) is provided solely for your convenience and information and the content of the linked site does not in anyway form part of this document. Accessing such website or following such link through the Product or the website of the Firm shall be at your own risk and the Firm shall have no liability arising out of, or in connection with, any such referenced website.

---

ADDITIONAL INFORMATION IS AVAILABLE UPON REQUEST

---