Macquarie **Equities Research**





The Asia Specialist

INDIA		
GNP IN	Outp	erform
Price 22 Jun 11	Rs	308.55
12-month target	Rs	465.00
Upside/Downside	%	50.7
Valuation - Sum of Parts	Rs	465.00
GICS sector		
Pharmaceuticals, Bio	technology	& Life
Sciences		
Market cap	Rsm	83,395
30-day avg turnover	US\$m	3
Market cap	US\$m	1,859
Number shares on iss	sue m	270.3

Investment fundamentals

Year end 31 Mar		2010A	2011E	2012E	2013E
Revenue	m	24,383	28,641	33,301	39,130
EBIT	m	5,249	4,126	6,549	8,148
EBIT growth	%	34.6	-21.4	58.7	24.4
Recurring profit	m	3,612	3,920	5,982	7,774
Reported profit	m	3,245	4,578	7,505	7,872
Adjusted profit	m	3,012	3,683	5,204	6,763
EPS rep	Rs	12.02	16.94	27.77	29.13
EPS rep growth	%	60.1	40.9	64.0	4.9
EPS adj	Rs	11.16	13.63	19.26	25.02
EPS adj growth	%	-7.7	22.1	41.3	30.0
PER rep	Х	25.7	18.2	11.1	10.6
PER adj	Х	27.6	22.6	16.0	12.3
Total DPS	Rs	0.40	0.40	0.39	0.50
Total div yield	%	0.1	0.1	0.1	0.2
ROA	%	11.6	8.1	11.4	11.7
ROE	%	15.2	14.3	16.4	15.7
EV/EBITDA	Х	15.1	19.7	13.3	10.9
Net debt/equity	%	74.4	58.7	38.3	16.0
P/BV	Х	3.4	3.0	2.4	1.6

GNP IN rel BSE Sensex performance, & rec history



Note: Recommendation timeline - if not a continuous line, then there was no Macquarie coverage at the time or there was an embargo period.

Source: FactSet, Macquarie Research, June 2011
(all figures in INR unless noted)

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24 June 2011

Macquarie Capital Securities India (Pvt) Ltd

Glenmark Pharmaceuticals Is NCE franchise worth (-)ve value?

Event

- We think the market currently is ascribing GNP's R&D initiative a negative market cap of ~US\$250m (~15% of current market cap). Expense of Rs1bn goes through the P&L but no value attaches to its innovation pipeline. We do not imply that de-merging the NCE business is the strategy to pursue, but such an analysis in our view does aid better understanding.
- We try to evaluate the core business value for Glenmark by excluding the NCE R&D expense from its P&L. Major peers (SUNP IN, RBXY IN) have demerged the NCE business in the past, resulting in expansion of core business margins. GNP remains our top pick with a target price of Rs465.

Impact

- SPARC a case study: SPARC has generated ~US\$35m in income from operations vs. total expense of ~US\$50m over last five years post de-merger from SUN and has a market cap of ~ US\$400m. SPARC currently spends ~Rs700m on research annually that is not expensed through SUN's P&L, contributing to a hypothetical market cap release of ~US\$200m for SUN adjusting for the tax credits. The total valuation boost is ~US\$600m for long-term SUN shareholders of SUN. (Please refer to Fig 2, Page 3)
- GNP NCE research largely self funded over the last decade: GNP has generated ~US\$ 200m in out-licensing income from six deals with large partners to-date (vs. total spend of ~US\$125m for the last seven years), which is unmatched by any of its peers. Because of a few setbacks in the past, we think the market is not assigning any upside to GNP's innovation franchise. While this is counterintuitive to us, even being conservative we believe given the track record it would be a reasonable assumption that GNP is not destroying value through its NCE research program.
- Core business ex-NCE R&D expense largely explains our TP, innovation remains a free option: If we adjust our FY12 estimates for the NCE R&D expense (Rs600m adjusted for tax credit), the EBITDA margin is boosted by 300bps and earnings by 11%. At our target multiple, this implies core business value (ex-NCE R&D) of Rs 445, 50% upside potential.

Earnings and target price revision

No change.

Price catalyst

- 12-month price target: Rs465.00 based on a Sum of Parts methodology.
- Catalyst: 1) Malarone Launch (2QFY12) 2) Crofelemer approval and launch

Action and recommendation

 Outlicensing of novel TRPV3 (in 2010) and GBR 500 (2011) to SNY reinforces our confidence in GNP's ability to discover and outlicense promising lead compounds. Valuations look attractive in our view, with GNP trading at a PER of 12x FY12E earnings, adjusted for exclusivity and NCE value.

Please refer to the important disclosures and analyst certification on inside back cover of this document, or on our website www.macquarie.com.au/disclosures.

Scenario Analysis

We try to evaluate the core business value for Glenmark by excluding the NCE R&D expense from its P&L. We have valued GNP based on both the scenarios (including and excluding NCE R&D expense):

Scenario 1: In this scenario we strip out the NCE out-licensing income but include the NCE R&D expense in the P&L. We separately value the NCE franchise base product-wise. We arrive at a core FY12E EPS of Rs20/share and assuming a target multiple of 20x (ROE~20%, EPS growth~35% CAGR for FY11-13E) we arrive at a core business valuation of Rs400/share. To this we add Rs60/share of NCE value and Rs10/share valuation of Zetia (FY17 Launch). For the NCE franchise, we have valued only the two already out-licensed opportunities (GRC 15300 (TRPV3) and GBR500) @ 10% probability of success. Crofelemer (successful Phase III trials) is valued at Rs25/sh. We arrive at a SOTP value of Rs470/share.

Scenario 2: In this scenario we strip the NCE out-licensing income and also the NCE R&D expense from P&L. We separately value the NCE franchise as a separate company. We have valued GNP's NCE franchise at 10x average annual (trailing 7 yr) NCE income of US\$30m @Rs50/share. SPARC trades at 40x annual average (trailing 5 yr) NCE income of US\$10m. We arrive at a core FY12E EPS of Rs22.2/share and, assuming a target multiple of 20x ((ROE~23%, EPS growth~35% CAGR for FY11-13E), we arrive at a core business valuation of Rs444/share. To this we add Rs50/share of NCE value and Rs10/share valuation of Zetia (FY17 Launch). We arrive at a SOTP value of Rs504/share.

Conclusion: In a scenario where we completely ignore the NCE franchise, our SOTP valuation of Rs455 (Rs445/sh of core business + Rs10/sh of Zetia) largely accounts for our current target price on GNP (Rs465). This explains our thesis that GNP's NCE franchise is an option which is currently available for free.

Fig 1 Scenario Analysis: NCE franchise available as a free option

FY12 E	Scenario 1: Without Licensing Income	With Licensing Income	Scenario 2: Without Licensing Income & NCE R&D Expense
Sales (Rs Cr)	3400	3625	3400
EBITDA Margin			
EBITDA Rs Cr	782	1007	882
Depreciation	-100	-100	-100
Interest	-120	-120	-120
Other Income	60	60	60
Profit Before Tax	622	847	722
Tax Rate	13%	13%	17%
Tax amount Rs cr	81	110	121
PAT (Rs Cr)	541	737	601
Share Count	27.05	27.05	27.05
EPS		27.2	22.2
Target Multiple	20		20
Glenmark core business Value (Rs/share)	400		444
NPV of Zetia settlement (Rs /Sh)	10		10
NPV of NCE business	60		50
	470		

Source: Company data, Macquarie Research, June 2011

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Fig 2 Case study: Comparison of GNP's NCE franchise valuation with SPAR	Fig 2	Case study	: Comparison	of GNP's NC	E franchise	valuation w	ith SPARC
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20%			
45	7		
	Comments		
Glenmark		Rs m	SPARC
1000	FY12 Estimate	NCE Research Expense(FY11A)	681
400		R&D Tax Benefit (assuming 20% effective Tax and 200% weighted Tax deduction)	272
600		Net adj expense saving through P&L of Sun Pharma	409
20	ROE~20%, EPS growth~35% cagr for FY11-13E)	Sun' Valuation multiple	24
-267	Ascribing negative value to decline in earnings (resulting in eventual loss in Market cap) from NCE expense	Market Cap gain for SUNP (if the expense was on Sun Pharma's P&L) (US\$m)	218
		SPARC Market Cap (US\$m)	400
-(267)	<u></u>	Total Gain for SUNP market Cap (US\$m)	
	Glenmark 1000 400 600 20 -267	Glenmark 1000 FY12 Estimate 400 600 20 ROE~20%, EPS growth~35% cagr for FY11-13E) -267 Ascribing negative value to decline in earnings (resulting in eventual loss in Market cap) from NCE expense	Glenmark Rs m 1000 FY12 Estimate NCE Research Expense(FY11A) 400 R&D Tax Benefit (assuming 20% effective Tax and 200% weighted Tax deduction) 600 Net adj expense saving through P&L of Sun Pharma 20 ROE~20%, EPS growth~35% cagr for FY11-13E) -267 Ascribing negative value to decline in earnings (resulting in eventual loss in Market cap) from NCE expense SPARC Market Cap (US\$m)

GNP has generating ~US\$ 200m in out-licensing income from six deals with large partners to date (vs. total spend of ~ US\$125m)

SPARC has generated ~ US\$35m in income from operations Vs. total expense of ~ US\$ 50m over last 5 years.

We think the market currently is giving Glenmarks R&D initiative a negative market Cap of ~ US\$ 250m (market cap reduced ~ 15%) (Expense goes through the P&L but no value attached to it's innovation Pipeline)

Source: Company data, Macquarie Research, June 2011

Major peers (SUNP IN, RBXY IN) have demerged the NCE business in the past, resulting in expansion of core business margins. We think the market currently is giving GNP's R&D initiative a negative market cap of ~ US\$250m (market cap reduced ~ 15%). Expense of Rs1b goes through the P&L but no value attaches to its innovation pipeline. We do not imply that demerging the NCE business is the strategy to pursue, but such an analysis in our view does aid better understanding.

The market cap loss to GNP because of the NCE R&D expenses of GNP is ~US\$267m. While on the other hand, the SUNP model of separately listing the NCE arm (SPARC) has resulted in a total market cap gain of ~US\$618m for long-term shareholders of SUN. Sun Pharma gains both with boosting its earnings by reducing NCE R&D expense and getting a separate valuation of US\$400m for SPARC.

GNP has generated ~US\$200m in out-licensing income from six deals with large partners to-date (vs. total spend of ~US\$ 125m for the last seven years), which is unmatched by any of its peers. SPARC has generated ~US\$35m vs total spend of US\$50m. Because of a few setbacks in the past, we think the market is not assigning any upside to GNP's innovation franchise. While this is counterintuitive to us, even being conservative we believe given the track record it would be a reasonable assumption that GNP is not destroying value through its NCE research program.

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Fig 3 GNP R&D capability: GNP has received ~US\$200m as Outlicensing income in the last 6-7 years

Oglemilast: Forrest Labs, 2004	Oglemilast: Teijin Pharma, 2005	Melogliptin: Merck KGaA, 2006	GRC 6211: Eli Lilly 2007	Derma Segement: Medicis 2009	GRC 15300: Sanofi Aventis, 2010	GBR 500: Sanofi Aventis, 2011
Worth US\$190m on US Rights Received US\$35m as upfront and milestone payments	Worth US\$53m on Japan Rights Received US\$6m as upfront payments	Worth US\$250m on US Rights. Received US\$31m as upfront and milestone payments Due to a reduced R&D focus on Diabetes, Merck returned the molecule to Glenmark in April 2008	Eli Lilly suspended further clinical development for GRC 6211 in Osteoarthritic pain. Glenmark and Lilly are currently in discussions on the way forward and other potential indications Received an upfront fee of US\$45m in 2007	Received an upfront fee of US\$5m in 2009 Eligible for further milestone and royalty payments.	Deal w orth US\$325m on on exclusive marketing rights for North America, European Union and Japan subject to Glenmark's right to co-promote the products in the US and five Eastern European countries. Received an upfront fee of US\$20m in 1QFY11	Deal w orth US\$613m plus tiered royalty payments on sales. Sanofi has exclusive marketing rights for NA, EU, JPN. GNP has right to co-market in Russia, Brazil, OZExclusive rights for GNP in India and ROW. Will receive an upfront payment of US\$50m by 2QFY12

GNP has completed out-licensing deal with a cumulative payment of ~US\$200m (including US\$50m for GBR 500 from Sanofi Aventis)

Source: Company data, Macquarie Research, June 2011

We value the NCE franchise @ Rs60/share

We have valued only the two already out-licensed opportunities (GRC 15300 (TRPV3) and GBR500) @ 10% probability of success. Crofelemer (successful Phase III trials) is valued at Rs25/sh.

Fig 4 NCE Valuation

GRC 15300	15	Outlicensed to Sanofi
Coreflemer	25	In licensed for RoW and API supply for Western mkts
GBR 500	20	Outlicensed to Sanofi
NCE value	60	

Source: Company data, Macquarie Research, June 2011

GBR 500 - Antagonist of VLA-2 integrin- We value @ Rs20/sh

Glenmark's GBR 500 is a first-in-class monoclonal antibody, which is an antagonist of the VLA-2 (alpha2-beta1) integrin. Integrins regulate movement of leukocytes and cytokine krelease. VLA-2 integrin antagonist (GBR 500) targets integrin receptors. This therapeutic monoclonal antibody has established proof of concept in animal models across a range of anti-inflammatory conditions. These disease modifier agents target the initial stage of disease and have broad anti-inflammatory potential in MS (Multiple Sclerosis) and inflammatory diseases like IBD (Inflammatory Bowel Disease).

IBD Biologic market including Crohn's disease (primary indication) is worth US\$5bn, with more than 4m patients globally (according to Glenmark). Glenmark has completed Phase I dosing of GBR 500 in the US and the drug has been well tolerated with a good pharmacokinetic profile. Plans are in place to initiate clinical proof of concept studies in Crohn's Disease. Sanofi-Aventis (SAN FP, €46.88, Outperform, TP: €62.50, Peter Duellmann) has licensed the rights to all indications.

Crofelemer: We value @ Rs25/sh

Post the promising Phase 3 data in treatment of HIV-associated diarrhoea, we value Crofelemer at an NPV of Rs25/sh. GNP has Crofelemer rights in over 140 countries and expects peak sales of US\$80m in ROW markets in the HIV-related diarrhoea indication alone, in addition to potential sales in another indication (pediatric/travelers diarrhoea). We value this opportunity at Rs18/sh. Salix (SLXP US, US\$39.99, Not rated) has rights to Crofelemer for the developed markets. They estimate the HIV-associated diarrhoea market opportunity in the US alone to be US\$300m annually. GNP has a 10-year commercial manufacturing and supply agreement for the Crofelemer API with Salix. In addition to customary margins on global supplies, GNP would be entitled to receive royalties on sales in western markets from Napo Pharmaceuticals. We value this opportunity at Rs7/sh.

Salix has licensed the rights to Crofelemer from Napo for all indications in the US, Europe (excluding certain smaller countries) and Japan, and worldwide for certain other indications, including irritable bowel syndrome. GNP and Salix have also entered into a 10-year commercial manufacturing and supply agreement for the Crofelemer API. In addition to customary margins on global supplies, GNP would be entitled to receive royalties on sales in western markets from Napo.

Up to 40% of the 1m people living with HIV in the US manage diarrhoea on a chronic basis. Salix estimates that the HIV-associated diarrhoeal market opportunity alone in the US may be US\$300m annually. We expect potential USFDA approval of Crofelemer in the US in 1HCY12. Once the NDA dossier for the US is ready, GNP will subsequently start filling for regulatory approval in RoW countries, with anticipated launch in 2HCY12.

GRC 15300 - Out-licensed to Sanofi - We value @ Rs15/sh

GNP has outlicensed its vanilloid receptor (TRPV3) antagonist program, including the first-in-class clinical compound, GRC 15300, which has completed Phase I clinical development as a potential next-generation treatment for chronic pain, including diabetic neuropathic pain and osteoarthritic pain. Sanofi will have exclusive marketing rights for North America, the European Union and Japan, subject to Glenmark's right to co-promote the products in the US and five Eastern European countries. SNY will also have co-marketing rights in ten other countries, including Brazil, Russia and China, and Glenmark will retain exclusive rights in India and other countries.

GNP will receive an upfront payment of US\$20m, with the potential of total development, regulatory and commercial milestone payments reaching US\$325m before the commercial launch. GNP is also eligible to receive double-digit-tiered royalties on end sales of commercialized products under the license. GNP puts the potential peak sales of the product on launch at upward of US\$3bn given that, globally, the osteoarthritis market alone is worth ~US\$4bn and the neuropathic pain market is another ~US\$5bn. GRC 15300 is currently in Phase 1 and a launch is unlikely before FY15, we believe. We value the opportunity based on probability adjusted NPV at Rs15/sh.

Acne Vulgaris - Outlicensed to Medicis (505 b (2) application)

Glenmark has entered into an exclusive agreement with Medicis Pharma (MRX US, US\$36.56, Not rated) has to co-develop and commercialize a topical specialty dermatology product in North America for the treatment of acne vulgaris from GNP's pipeline. Pursuant to terms of the agreement, Glenmark has received a one-time upfront payment of US\$5m from Medicis, and it is eligible to receive additional payments on achieving certain development milestones and royalties upon commercialization. The 505 b (2) application for this product has already been filed with the FDA. We expect a launch in FY12, with peak sales potential of US\$40 m for this product. We value this opportunity on a risk-adjusted basis (we estimate a 70% probability of success) at Rs3/sh.

Fig 5 Glenmark Novel Drug (NCE & NBE) Pipeline

Compound	Primary Indication	Target	Development Stage	Deals (In-licensed/ Outlicensed deals)
Crofelemer	Anti-diarrheal	CFTR Inhibitor	Phase III completed	nlicensed from Napo Pharma
GRC 4039 (Revamilast)	Asthma, COPD, Rheumatoid Arthritis	PDE IV Inhibitor	Phase II	
GRC 15300	Osteoarthritis Pain, Neuropathic Pain,	TRPV-3 Antagonist	Phase I completed	Outlicensed to Sanofi
GRC 17536	Respiratory disorders	TRPA 1 Inhibitor	Pre-Clinical completed	
GBR 500	Crohn's Disease, Multiple Sclerosis, Inflammatory Disorders	VLA-2 Antagonist	Phase I completed	Outlicensed to Sanofi
GBR 401	Lymphomas, Leukemias AutoImmune Disorders	Anti-CD19	Pre-Clinical	
GRC 600	Thrombocytopenic purpura Adjunct PCI/ ACS	Anti-Von Willebrand Factor	Pre-Clinical completed	
GBR 900	Pain	TArnktAagonist	Pre-Clinical	In-licensed from Lay Line Genomics

Source: Company data, Macquarie Research, June 2011

Fig 6 Glenmark NBE capability

	Monoclonal antibody, first in class, Targets α I domain of human α 2 β 1 integrin (VLA - 2)
	Inhibits retention of inflammatory cells at site of inflammation; Target expressed only during inflammation
	Potential Indications: Crohn's disease, inflammatory bowel disease; Multiple sclerosis; potentially other inflammatory diseases; potential to expand indications to oncology
	Phase I dosing completed – drug has been well tolerated with a good pharmacokinetic profile
	Monoclonal antibody, first in class; Targets the A1 domain of human van Willebrand Factor (vWF)
GBR 600	Excellent safety profile; Compelling efficacy in primate models (Baboon)
	Potential Indication: "Neutralization" of overactive/over expressed vWF & Platelet Inhibition
	Anti - CD19 antibody; deplete malignant/auto reactive B cells upon binding; same proven concept as Rituximab
GBR 401	Potential Indications: Initial focus oncology, Autoimmune diseases IND enabling studies ongoing

Source: Company data, Macquarie Research, June 2011

Fig 7 Target Price Calculation

Glenmark Consolidated Earnings Assumptions (Rs per share)		Comments
FY12E EPS	19.3	8 8 8
Target P/E (x)	x 20	
Core business value	385	
Exclusive opportunity (GGL)		
Zetia FTF	13.0	Settled with Merck / Partner Par
Malarone FTF	5.0	Settled with GSK
Vanos Cream (Fluocinonide)	2.0	Settled with Medicis (AG launch in Dec-13)
Product specific Opportunity GGL	20	
NCE Valuation		
GRC 15300	15	Outlicensed to Sanofi
Crofelemer	25	In licensed for RoW and API supply for Western mkts
GBR 500	20	Outlicensed to Sanofi
NCE value	60	
Target Price	465	12 month forward target price

Source: Company data, Macquarie Research, June 2011

Fig 8 NCE/NBE/FTF opportunity for GNP

Niche Generic	Brand Sales	Expected	One time	EPS upside (INR)	
Opportunity	est.	Launch	FY11E	FY12E	FY13E	
Oxycodone	US\$16mn	1QCY11	0.1	0.9	1.6	
Dovonex (Branded Generic)	US\$200mn	3QCY10	0.2	1.1	1.6	Part of Base
Felodipine	US\$100mn	3QFY11	0.4	1.3	1.1	Business
Cutivate	US\$45mn	4QFY12		0.2	1.3	
Rest of the business			13.0	15.8	19.5	
Base Business EPS			13.6	19.3	25.0	
FTF Exclusivity	TF Exclusivity Brand Sales est.		One time	EPS upside (INR)	NPV
		Launch	FY11E	FY12E	FY13E	INR / Share
Ezetimibe / Zetia	US\$1,400mn	Dec-16				13
Malarone	US\$60mn	3QCY11		1.3	2.2	5
Trandolapril & Verapamil HCL (Tarka)	US\$60mn	Jul-10	1.4	0.0	0.0	
Vanos (Fluocinonide)	US\$40mn	Dec-13				2
FTF Exclusivity Contribution	n		1.4	1.3	2.2	20
Niche NCE Opportunity	Brand Sales est.	Expected	One time EPS upside (INR)			NPV
		Launch	FY11E	FY12E	FY13E	INR / Share
Crofelemer	Peak sales US\$80m	4QFY12		0.0	1.9	25
GBR 500 (Outlicensed to Sanofi)	Peak sales US\$1.75b	Post FY16		7.2		20
GRC15300	Peak sales US\$3 bn	post FY15	3.1			15
NCE-driven upside in estir	nates		3.1	7.2	1.9	60
Total NCE and Niche Gen	eric potential upside		4.5	8.5	4.1	80
Core business EPS			13.6	19.3	25.0	385
Total Reported EPS			18.1	27.8	29.1	465

Source: Company data, Macquarie Research, June 2011

Macquarie Research

All figures in INR unless noted. Source: Company data, Macquarie Research, June 2011

increas Profit m 4,881 4,888 5,209 5,426 Gross Profit m 15,073 18,722 21,702 24, 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Glenmark Pharmace Quarterly Results		3Q/11A	4Q/11E	1Q/12E	2Q/12E	Profit & Loss		2010A	2011E	2012E	2013
rivoss Profrit m	Revenue	m	7.160	7.447	7.992	8.325	Revenue	m	24.383	28.641	33.301	39,13
BITDA 1,268 1,319 1,422 1,827 2,00 2,00 2,00 2,00 0,0	Gross Profit											25,46
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PE (rep)		0/_						0/_				
BITDA Margin	i 3 Glowill yoy (auj)	/0	22.1	22.1	41.5	41.5						
BIT Margin												12
BIT Margin	BITDA Margin	%	17.7	17.7	22.7	22.7	Total DPS		0.40	0.40	0.39	0.5
amings Split								%				0
Period End Shares	Earnings Split											27
rofit and Loss Ratios	Revenue Growth	%	17.5	17.5	16.3	16.3	Period End Shares		261	270	270	27
BITDA Growth % 17.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 16.3 17.5 18.1 18.1 19.1 18.1 19.1 18.1 19	BIT Growth	%	-21.4	-21.4	58.7	58.7						
BITCAGrowth	rofit and Loss Ratios		2010A	2011E	2012E	2013E	Cashflow Analysis		2010A	2011E	2012E	2013
BIT Growth % 34.6 21.4 58.7 24.4 58.7 24.4 chasses profit Margin % 61.8 65.4 65.2 65.1 and rows Profit Margin % 61.8 65.4 65.2 65.1 and rows Profit Margin % 26.5 17.7 22.7 23.6 bill Margin % 26.5 17.7 22.7 23.6 bill Margin % 21.5 14.4 19.7 20.8 Qperating Cashflow m -2.94 0 0 0 bill Margin % 21.5 14.4 19.7 20.8 Qperating Cashflow m 3.01 2.500 4.974 6.6 et Profit Margin % 12.6 12.9 15.6 17.3 Qperating Cashflow m 3.01 2.500 4.974 6.6 vice in the profit Margin % 12.6 12.9 15.6 17.3 Qperating Cashflow m 3.884 3.065 2.997 2.9 VICEIITDA x 18.5 24.3 15.3 12.3 Qperating Cashflow m 3.884 3.065 2.997 2.9 Qperating Cashflow m 3.889 1.705 2.2364 2.3 Qperating Cashflow m 3.889 1.705 2.23	Revenue Growth	%	17.3	17.5	16.3	17.5	EBITDA	m	6,455	5,073	7,549	9,22
Nest Profit Margin % 61.8 65.4 65.2 65.1 65.	BITDA Growth	%	31.0	-21.4	48.8	22.2	Tax Paid	m	874	237	1,121	1,12
BITDA Margin % 26.5 17.7 22.7 23.6 Other m .294 0 0 BIT Margin % 21.5 14.4 19.7 20.8 BIT Margin % 12.6 12.9 15.6 17.3 Acquisitions m 0 0 0 Acquisitions m 0 0 Acquisitio	BIT Growth	%	34.6	-21.4	58.7	24.4	Chgs in Working Cap	m	-2,094	-1,244		-2,49
BIT Margin	ross Profit Margin						Net Interest Paid	m		-1,566	-1,200	-1,20
et Profit Margin	BITDA Margin							m				
ayour Ratio								m				6,64
\text{VEBITDA \times \text{x} & 15.1 & 19.7 & 13.3 & 10.9 \text{VEBIT \text{x}} & 18.5 & 24.3 & 15.3 & 12.3 \text{ 15.3 } & 12.3 \text{ 15.3 } & 12.3 \text{ 15.4 } & 15.3 & 12.3 \text{ 16.6 } & 15.3 & 12.3 \text{ 16.6 } & 15.7 \text{ 17.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.6 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 16.0 } & 17.05 & 2.364 & 2.3 \text{ 17.0 } & 17.												
VIEBIT X												-2,99
lalance Sheet Ratios IDE												
State Stat	:V/EDII	Х	10.5	24.3	15.5	12.3						
COE % 15.2 14.3 16.4 15.7 COA % 11.6 8.1 11.4 11.7 COB % 12.3 9.4 12.8 14.4 11.7 COB Movements m 9.838 0 0 OB COB Movements m 9.838 0 0 OB COB Movements m 11.499 0 OB COB COB Movements m 11.499 0 OB COB	Islance Shoot Batios											
COA % 11.6		0/2	15.2	14 3	16.4	15.7						-10
COIC % 12.3 9.4 12.8 14.4												
Indicated Cover X 3.2 2.6 5.5 8.1												
Net Chg in Cash/Debt m -355 -1,108 -2,907 -2,900 -2,	let Debt/Equity	%	74.4	58.7	38.3	16.0						-10
Balance Sheet 2010A 2011E 2012E 2013	Price/Book		3.4	3.0	2.4	1.6	Net Chg in Cash/Debt	m	-355	-1,108	-2,907	-2,90
Cash m 1,070 2,178 5,085 10,6 Receivables m 10,783 11,823 13,360 16,7 Inventories m 7,085 7,799 8,814 11,0 Investments m 181 181 181 1 Fixed Assets m 15,253 17,371 19,368 23,4 Intangibles m 661 661 661 661 661 661 661 661 661 6	Book Value per Share		90.3	103.7	131.1	187.1	Free Cashflow	m	-583	-564	1,977	3,65
Receivables							Balance Sheet		2010A	2011E	2012E	2013
Receivables							Cash	m	1 070	2 178	5 085	10,60
Inventories												
Investments												
Fixed Assets m 15,253 17,371 19,368 23,4 Intangibles m 661 661 661 661 661 661 661 661 661 66 75,37 15,38 15,38 15,38 15,39 15,33 15,33 78,1 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,37 15,33 18,07 15,33 18,07 15,33 18,07 18,07 18,07 18,07 18,07 18,07 18,07 18,07 18,07 18,07 18,07 19,07 18,07												11,01
Intangibles												23,42
Other Assets m 13,240 13,191 13,870 15,3 Total Assets m 48,273 53,203 61,339 78,1 Payables m 2,972 4,251 4,804 6,0 Short Term Debt m 4,100 4,100 4,10 Long Term Debt m 14,593 14,593 14,59 Provisions m 0 0 0 0 Other Liabilities m 2,925 2,107 2,288 2,6 Total Liabilities m 24,590 25,051 25,786 27,4 Shareholders' Funds m 23,552 28,022 35,423 50,5 Minority Interests m 130 130 13 1 Other m 0 0 0 0 Total S/H Equity m 23,682 28,152 35,553 50,66												66
Total Assets m 48,273 53,203 61,339 78,1 Payables m 2,972 4,251 4,804 6,0 Short Term Debt m 4,100 4,100 4,1 Long Term Debt m 14,593							Other Assets		13,240		13,870	15,38
Short Term Debt m 4,100							Total Access					78,1
Long Term Debt m 14,593								m				
Provisions m 0 0 0 Other Liabilities m 2,925 2,107 2,288 2,6 Total Liabilities m 24,590 25,051 25,786 27,4 Shareholders' Funds m 23,552 28,022 35,423 50,5 Minority Interests m 130 130 130 1 Other m 0 0 0 0 Total S/H Equity m 23,682 28,152 35,553 50,6							Payables		2,972	4,251	4,804	6,0
Other Liabilities m 2,925 2,107 2,288 2,6 Total Liabilities m 24,590 25,051 25,786 27,4 Shareholders' Funds m 23,552 28,022 35,423 50,5 Minority Interests m 130 130 13 1 Other m 0 0 0 Total S/H Equity m 23,682 28,152 35,553 50,6							Payables Short Term Debt	m	2,972 4,100	4,251 4,100	4,804 4,100	6,0 4,1
Total Liabilities m 24,590 25,051 25,786 27,4 Shareholders' Funds m 23,552 28,022 35,423 50,5 Minority Interests m 130 130 130 1 Other m 0 0 0 0 Total S/H Equity m 23,682 28,152 35,553 50,6							Payables Short Term Debt Long Term Debt	m m	2,972 4,100 14,593	4,251 4,100 14,593	4,804 4,100 14,593	6,0 4,1
Shareholders' Funds m 23,552 28,022 35,423 50,5 Minority Interests m 130 130 13 Other m 0 0 0 Total S/H Equity m 23,682 28,152 35,553 50,6							Payables Short Term Debt Long Term Debt Provisions	m m m m	2,972 4,100 14,593 0	4,251 4,100 14,593 0	4,804 4,100 14,593 0	6,0 4,1 14,5
Minority Interests m 130 130 13 130 1 Other m 0 0 0 0 Total S/H Equity m 23,682 28,152 35,553 50,6							Payables Short Term Debt Long Term Debt Provisions Other Liabilities	m m m m	2,972 4,100 14,593 0 2,925	4,251 4,100 14,593 0 2,107	4,804 4,100 14,593 0 2,288	6,0 4,1 14,5 2,6
Other m 0 0 0 Total S/H Equity m 23,682 28,152 35,553 50,6							Payables Short Term Debt Long Term Debt Provisions Other Liabilities Total Liabilities	m m m m m	2,972 4,100 14,593 0 2,925 24,590	4,251 4,100 14,593 0 2,107 25,051	4,804 4,100 14,593 0 2,288 25,786	6,0 4,1 14,5 2,6 27,4
Total S/H Equity m 23,682 28,152 35,553 50,6							Payables Short Term Debt Long Term Debt Provisions Other Liabilities Total Liabilities Shareholders' Funds	m m m m m m	2,972 4,100 14,593 0 2,925 24,590 23,552	4,251 4,100 14,593 0 2,107 25,051 28,022	4,804 4,100 14,593 0 2,288 25,786 35,423	6,0 4,1 14,5 2,6 27,4 50,5
							Payables Short Term Debt Long Term Debt Provisions Other Liabilities Total Liabilities Shareholders' Funds Minority Interests	m m m m m m	2,972 4,100 14,593 0 2,925 24,590 23,552 130	4,251 4,100 14,593 0 2,107 25,051 28,022 130	4,804 4,100 14,593 0 2,288 25,786 35,423 130	6,0 4,1 14,5 2,6 27,4 50,5
							Payables Short Term Debt Long Term Debt Provisions Other Liabilities Total Liabilities Shareholders' Funds Minority Interests Other	m m m m m m m	2,972 4,100 14,593 0 2,925 24,590 23,552 130 0	4,251 4,100 14,593 0 2,107 25,051 28,022 130 0	4,804 4,100 14,593 0 2,288 25,786 35,423 130 0	6,0 4,1 14,5 2,6 27,4 50,5

Important disclosures:

Recommendation definitions

Macquarie - Australia/New Zealand

Outperform – return >3% in excess of benchmark return Neutral – return within 3% of benchmark return Underperform – return >3% below benchmark return

Benchmark return is determined by long term nominal GDP growth plus 12 month forward market dividend yield

Macquarie - Asia/Europe

Outperform – expected return >+10% Neutral – expected return from -10% to +10% Underperform – expected return <-10%

Macquarie First South - South Africa

Outperform – expected return >+10% Neutral – expected return from -10% to +10% Underperform – expected return <-10%

Macquarie - Canada

Outperform – return >5% in excess of benchmark return Neutral – return within 5% of benchmark return Underperform – return >5% below benchmark return

Macquarie - USA

Outperform (Buy) – return >5% in excess of Russell 3000 index return

Neutral (Hold) – return within 5% of Russell 3000 index return

Underperform (Sell)– return >5% below Russell 3000 index return

Volatility index definition*

This is calculated from the volatility of historical price movements.

Very high-highest risk – Stock should be expected to move up or down 60–100% in a year – investors should be aware this stock is highly speculative.

High – stock should be expected to move up or down at least 40–60% in a year – investors should be aware this stock could be speculative.

Medium – stock should be expected to move up or down at least 30–40% in a year.

Low-medium – stock should be expected to move up or down at least 25–30% in a year.

Low – stock should be expected to move up or down at least 15–25% in a year.

* Applicable to Australian/NZ/Canada stocks only

Recommendations – 12 months

Note: Quant recommendations may differ from Fundamental Analyst recommendations

Financial definitions

All "Adjusted" data items have had the following adjustments made:

Added back: goodwill amortisation, provision for catastrophe reserves, IFRS derivatives & hedging, IFRS impairments & IFRS interest expense Excluded: non recurring items, asset revals, property revals, appraisal value uplift, preference dividends & minority interests

EPS = adjusted net profit / efpowa*

ROA = adjusted ebit / average total assets ROA Banks/Insurance = adjusted net profit /average total assets

ROE = adjusted net profit / average shareholders funds Gross cashflow = adjusted net profit + depreciation *equivalent fully paid ordinary weighted average number of shares

All Reported numbers for Australian/NZ listed stocks are modelled under IFRS (International Financial Reporting Standards).

Recommendation proportions - For quarter ending 31 March 2011

	AU/NZ	Asia	RSA	USA	CA	EUR	
Outperform	45.65%	65.72%	59.70%	43.02%	68.91%	51.16%	(for US coverage by MCUSA, 14.36% of stocks covered are investment banking clients)
Neutral	39.49%	19.00%	29.85%	53.09%	26.43%	35.73%	(for US coverage by MCUSA, 17.55% of stocks covered are investment banking clients)
Underperform	14.86%	15.28%	10.45%	3.89%	4.66%	13.11%	(for US coverage by MCUSA, 0.00% of stocks covered are investment banking clients)

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Derivatives – Mark Holland	(852) 3922 2081
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