

Company

6 August 2010 | 13 pages

OnMobile Global (ONMO.BO)

Upgrade to Buy: Pain Is In; Play for the Gain

 Equity
 Rating change
 Target price change
 Estimate change

- Business momentum has restarted** — FY10 saw earnings collapse 50% as: 1) domestic revenues were hit from rev share shrinkage, unfavorable regulations and a service agreement termination; and 2) EBITDA margins contracted 13% on upfront costs on Telefonica deal, resulting in 40% stock underperformance in the last six months. We believe these issues are now behind as: 1) domestic growth is gaining momentum; and 2) execution of Telefonica deal is on track.
- Domestic growth has rebounded** — Domestic revenues grew 7% QoQ in 1QFY11 and 9% in 4Q FY10. The issues that had hurt domestic growth in FY10: 1) revenue share shrinkage; 2) TRAI's directive on "press * to copy" for CRBT; and 3) termination of service agreement are now behind us. We forecast domestic revenue growth at a CAGR of 16% FY11-13E.
- International revenues should be the kicker** — OnMobile continues to show a good execution track record and has rolled out services in two of the 13 Telefonica markets. Mgmt expects to go live across the remaining countries by end-FY11E with a full ramp-up in FY12E.
- Significant growth ahead** — While we cut FY11-12E earnings ~45% to factor in higher-than-expected FY10 rev and cost pressures, given the strong business momentum detailed above, we now estimate total revenue, EBITDA and earnings CAGRs of 27%, 47% and 57% respectively over FY10-13E.
- Upgrade to buy with a TP of Rs395** — TP based on 25x Sep-11 PE (in line with global comps with similar growth) offers 38% upside from current levels. Premium to market justified by premium growth profile and PEG of 0.5.
- Key risks** — Unfavorable regulations, slower-than-expected international ramp-up and further shrinkage of rev share in the domestic market are key downside risks.

Buy/Medium Risk	1M
<i>from Sell/Medium Risk</i>	
Price (06 Aug 10)	Rs285.30
Target price	Rs395.00
<i>from Rs370.00</i>	
Expected share price return	38.5%
Expected dividend yield	0.0%
Expected total return	38.5%
Market Cap	Rs16,725M
	US\$363M

Price Performance (RIC: ONMO.BO, BB: ONMB IN)



Statistical Abstract

Year to	Net Profit	Diluted EPS	EPS growth	P/E	P/B	ROE	Yield
31 Mar	(RsM)	(Rs)	(%)	(x)	(x)	(%)	(%)
2009A	852	14.77	27.0	19.3	2.4	13.0	0.0
2010A	424	7.24	-51.0	39.4	2.3	5.9	0.0
2011E	721	12.31	70.1	23.2	2.1	9.3	0.0
2012E	1,258	21.50	74.6	13.3	1.8	14.4	0.0
2013E	1,653	28.25	31.4	10.1	1.5	16.2	0.0

Source: Powered by dataCentral

Gaurav Malhotra, CFA

 +91-22-6631-9885
 gaurav.a.malhotra@citi.com

Ravi Sarathy

 +852-2501-2773
 ravi.sarathy@citi.com

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

Citi Investment Research & Analysis 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.

Not for distribution in the People's Republic of China, excluding the Hong Kong Special Administrative Region.

Fiscal year end 31-Mar	2009	2010	2011E	2012E	2013E
Valuation Ratios					
P/E adjusted (x)	19.3	39.4	23.2	13.3	10.1
EV/EBITDA adjusted (x)	10.8	18.2	11.5	7.2	5.2
P/BV (x)	2.4	2.3	2.1	1.8	1.5
Dividend yield (%)	0.0	0.0	0.0	0.0	0.0
Per Share Data (Rs)					
EPS adjusted	14.77	7.24	12.31	21.50	28.25
EPS reported	14.77	7.24	12.31	21.50	28.25
BVPS	121.14	126.38	138.70	160.19	188.44
DPS	0.00	0.00	0.00	0.00	0.00
Profit & Loss (RsM)					
Net sales	4,064	4,544	5,648	7,580	9,337
Operating expenses	-3,222	-4,154	-5,004	-6,310	-7,604
EBIT	842	390	644	1,270	1,733
Net interest expense	310	226	203	245	333
Non-operating/exceptionals	0	0	0	0	0
Pre-tax profit	1,151	616	848	1,515	2,066
Tax	-299	-193	-127	-258	-413
Extraord./Min.Int./Pref.div.	0	0	0	0	0
Reported net income	852	424	721	1,258	1,653
Adjusted earnings	852	424	721	1,258	1,653
Adjusted EBITDA	1,281	831	1,333	2,075	2,658
Growth Rates (%)					
Sales	55.2	11.8	24.3	34.2	23.2
EBIT adjusted	6.3	-53.6	65.1	97.1	36.4
EBITDA adjusted	22.3	-35.1	60.4	55.7	28.1
EPS adjusted	27.0	-51.0	70.1	74.6	31.4
Cash Flow (RsM)					
Operating cash flow	516	470	882	1,453	2,023
Depreciation/amortization	440	441	688	805	925
Net working capital	-540	-168	-324	-364	-222
Investing cash flow	2,774	-3,013	-679	-612	-612
Capital expenditure	-572	-2,712	-887	-857	-945
Acquisitions/disposals	0	62	0	0	0
Financing cash flow	3	72	-92	0	0
Borrowings	-1	40	-87	0	0
Dividends paid	0	0	0	0	0
Change in cash	3,293	-2,471	111	842	1,411
Balance Sheet (RsM)					
Total assets	9,250	11,827	12,760	14,580	16,467
Cash & cash equivalent	2,942	2,560	2,653	3,472	4,857
Accounts receivable	1,445	1,690	2,207	3,022	3,419
Net fixed assets	1,047	3,386	3,603	3,678	3,724
Total liabilities	2,260	4,431	4,644	5,206	5,440
Accounts payable	845	1,032	1,301	1,830	2,027
Total Debt	46	87	0	0	0
Shareholders' funds	6,990	7,396	8,116	9,374	11,027
Profitability/Solvency Ratios (%)					
EBITDA margin adjusted	31.5	18.3	23.6	27.4	28.5
ROE adjusted	13.0	5.9	9.3	14.4	16.2
ROIC adjusted	13.0	3.5	8.0	14.5	17.9
Net debt to equity	-41.4	-33.4	-32.7	-37.0	-44.0
Total debt to capital	0.7	1.2	0.0	0.0	0.0

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

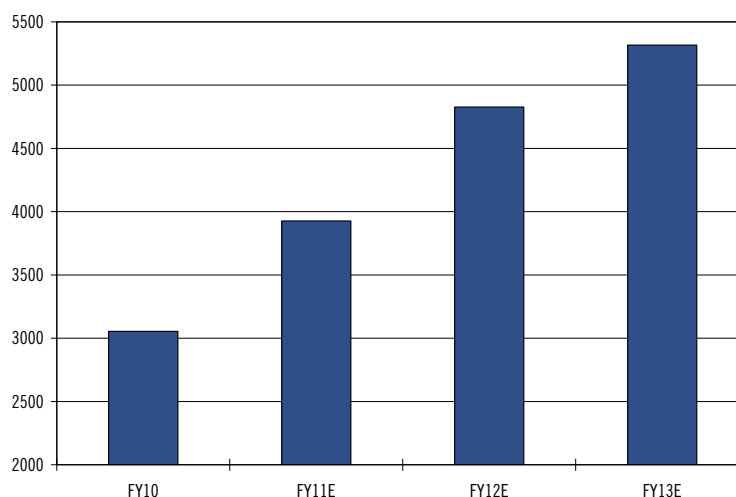


Upgrade to Buy – on the cusp of growth

We upgrade OnMobile to Buy/Medium Risk (1M) from Sell/Medium Risk (3M). The last two quarters saw domestic business stabilizing after remaining flat/declining in the previous three quarters. Domestic revenues had taken a hit in FY10 due to 1) revenue share pressure from operators as their profitability took a hit from intense competition and 2) unfavorable regulations related to “press * to copy” for CRBT. Domestic revenues have now rebounded with a 7% QoQ growth in 1QFY11E on the back of 9% growth in 4QFY10. We estimate revenues to grow at a CAGR of 16% over FY11-13E.

Domestic growth looks to have rebounded after a tough FY10

Figure 1. Domestic revenues are estimated to grow at a CAGR of 16% over FY11-13E

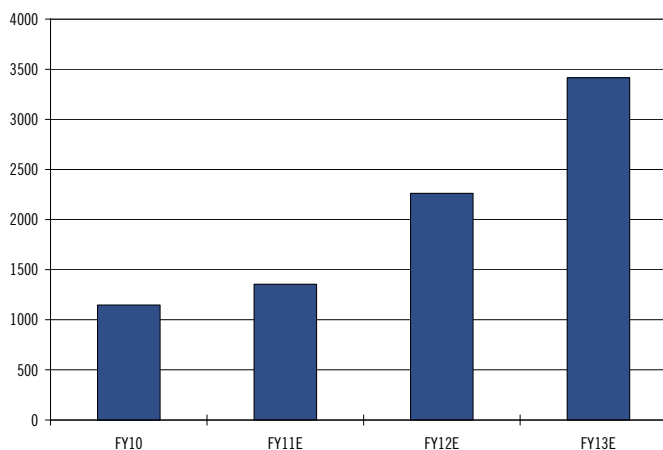


Source: Citi Investment Research and Analysis estimates

In addition, the international expansion remains on track with roll-out in two of the 13 Telefonica countries to date. Management expects to complete the roll-out in the remaining countries by end FY11E. We expect full ramp-up of revenues in FY12E and a CAGR of 59% over FY11-13E.

International execution remains on track and is likely to be a significant revenue kicker in FY12E

Figure 2. Full ramp-up of revenues from the Telefonica deal likely to occur in FY12E

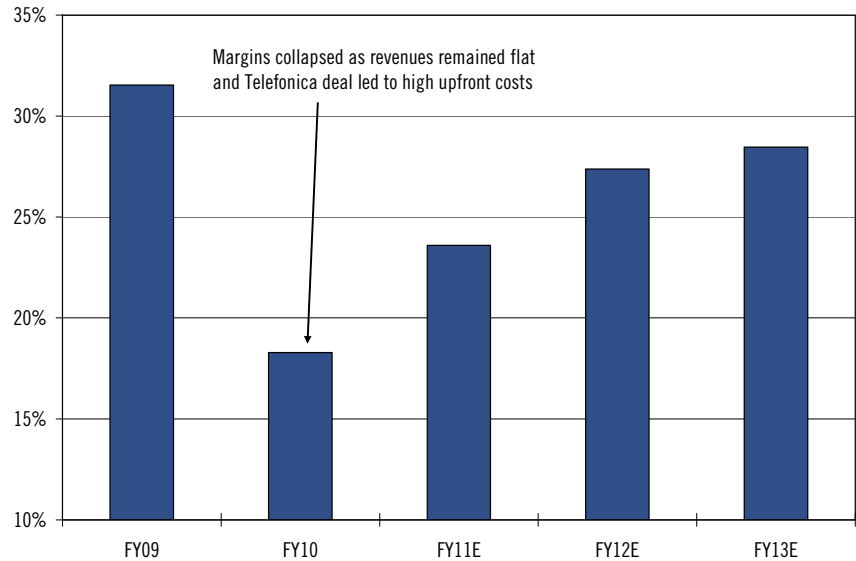


Source: Citi Investment Research and Analysis estimates

Strong topline growth with majority of the upfront costs of Telefonica deal behind will help to expand EBITDA margins

We also expect EBITDA margins, which had collapsed by 13% in FY10E primarily on account of upfront costs related to Telefonica roll-out, to recover on the back of the strong topline growth and rising scale. We estimate 530bps margin expansion in FY11E and a further 380bps in FY12E.

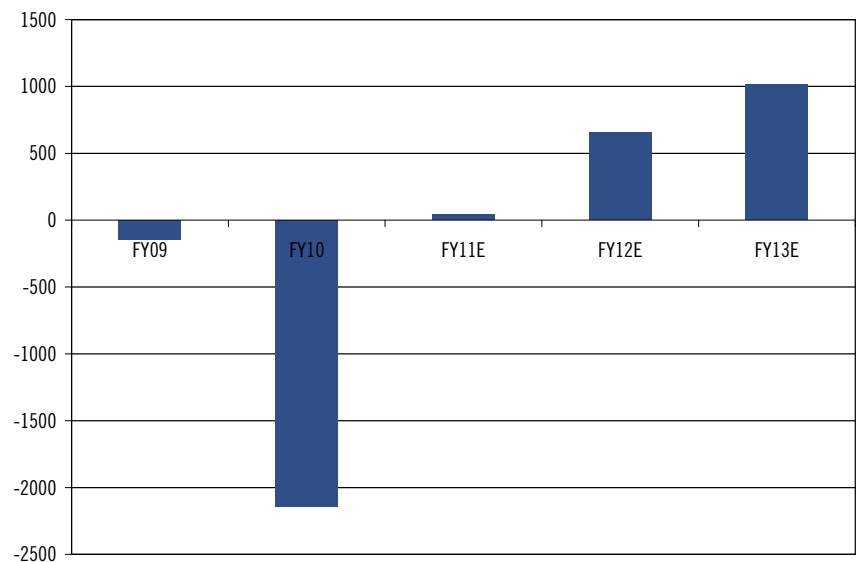
Figure 3. EBITDA margins which had collapsed in FY10 are likely to recover



Source: Citi Investment Research and Analysis estimates

Will also help to generate positive free cash flows

Figure 4. OnMobile is estimated to turn FCF positive in FY12E



Source: Citi Investment Research and Analysis estimates

Earnings revision

FY11-12E earnings cut by ~45% on higher-than-expected topline/cost pressure in FY10E. We however expect earnings to show a healthy 57% CAGR over FY10-13E.

Figure 5. Earnings revisions

	FY11E			FY12E			FY13E		
	Old	New	Change	Old	New	Change	Old	New	Change
EPS (Rs)	21.9	12.3	-44%	37.4	21.5	-43%	NA	28.3	NA

Source: Citi Investment Research and Analysis estimates

New TP of Rs395

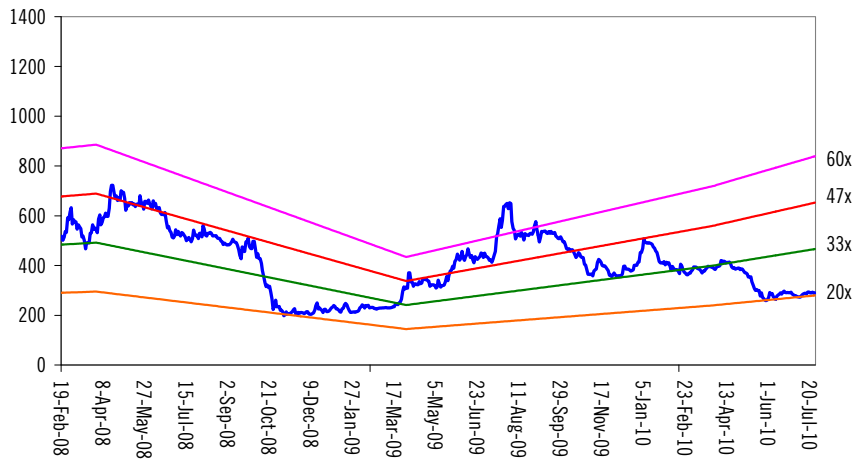
New TP is based on 25x Sep-11 PER (17x Mar-10E earlier). The target multiple is in-line with global peers with similar growth profiles and imputes a reasonable PEG of 0.5x.

Figure 6. Peer comparison

	RIC code	Rating	Prc Crcy	Price 06 Aug 10	Mkt cap US\$m	P/E (x)		
						2010E	2011E	2012E
China Internet								
51job	JOBS.CN	1M	USD	26.0	715	22.1	20.4	17.9
Alibaba	1688.HK	1L	HKD	15.4	9,994	39.5	30.6	24.5
Baidu	BIDU.CN	1L	USD	85.6	29,738	62.4	41.2	29.2
Ctrip	CTRP.CN	1L	USD	42.0	6,210	37.9	29.6	23.7
Sina	SINA.CN	1L	USD	45.7	2,782	26.0	21.5	18.7
Tencent	0700.HK	1L	HKD	152.7	35,999	30.0	22.9	18.0
Average						36.3	27.7	22.0
US Internet								
Amazon	AMZN.US	1H	USD	127.8	57,245	52.6	34.0	23.9
eBay	EBAY.US	2H	USD	21.1	27,647	13.0	11.9	11.1
Expedia	EXPE.US	1H	USD	24.3	6,905	15.1	13.0	11.6
Google	GOOG.US	1H	USD	508.1	161,935	18.8	16.4	14.9
Priceline	PCLN.US	1H	USD	292.7	14,161	24.3	19.6	17.1
Yahoo	YHOO.US	2H	USD	14.2	19,612	17.8	15.5	13.2
Average						23.6	18.4	15.3
Overall Average						31.6	24.4	18.6
OnMobile at current price			INR	286.0		23.2	13.3	11.1
OnMobile at target price			INR	395.0		32.1	18.4	15.4

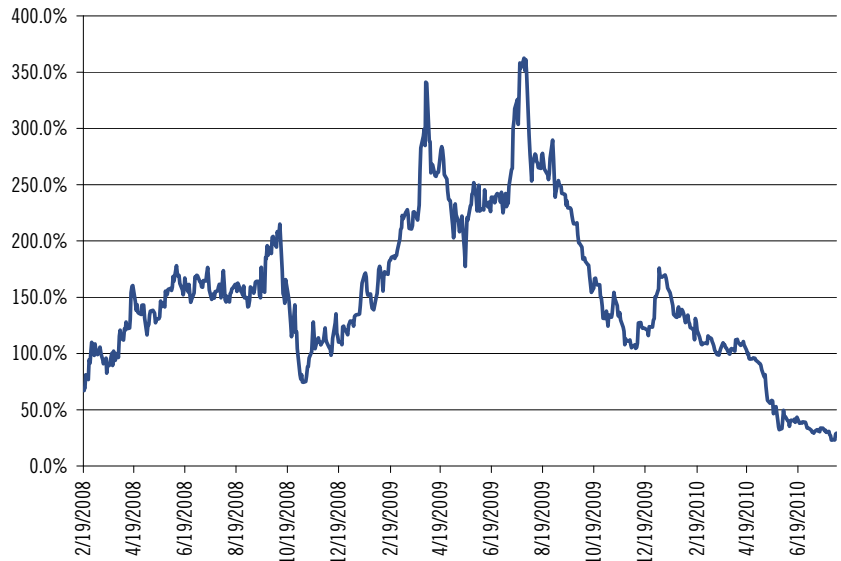
Source: Citi Investment Research and Analysis

Figure 7. OnMobile – 1 Yr forward PE band chart



Source: Citi Investment Research and Analysis

Figure 8. OnMobile's premium to the market has come down significantly and is no longer expensive



Source: Citi Investment Research and Analysis

Quarterly Summary

Figure 9. Quarterly summary

Rs m	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10	QoQ %	YoY%
Total revenues	805	688	778.5	974.6	1157.2	1153.1	1,072	1,086	1,155	1,229	1,238	0.7%	15.4%
Total expenditure	(412)	(517)	(570)	(701)	(752)	(767)	(828)	(951)	(924)	(1,010)	(956)	-5.3%	15.4%
Cost of sales	(96)	(130)	(136)	(182)	(215)	(246)	(298)	(307)	(334)	(386)	(338)	-12.6%	13.1%
Employee cost	(188)	(186)	(244)	(307)	(315)	(338)	(345)	(366)	(377)	(387)	(410)	6.0%	18.8%
Other expenditure	(128)	(201)	(190)	(212)	(223)	(184)	(185)	(279)	(213)	(236)	(208)	-12.0%	12.4%
EBITDA	393	171	209	274	405	386	244	135	231	219	282	28.6%	15.6%
<i>EBITDA margins (%)</i>	<i>48.8%</i>	<i>24.9%</i>	<i>26.8%</i>	<i>28.1%</i>	<i>35.0%</i>	<i>33.4%</i>	<i>22.8%</i>	<i>12.4%</i>	<i>20.0%</i>	<i>17.8%</i>	<i>22.8%</i>	<i>4.9%</i>	<i>0.0%</i>
PAT	257	45	152	184	276	240	87	107	132	111	184	66.2%	111.3%
<i>PAT margin (%)</i>	<i>31.9%</i>	<i>6.5%</i>	<i>19.5%</i>	<i>18.8%</i>	<i>23.9%</i>	<i>20.8%</i>	<i>8.1%</i>	<i>9.9%</i>	<i>10.9%</i>	<i>8.3%</i>	<i>14.3%</i>	<i>5.9%</i>	<i>6.1%</i>

Source: Company, Citi Investment Research and Analysis

Figure 10. Quarterly KPIs

	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09	Mar-10	Jun-10
Subscriber reach (m)	550	600	630	687	673	727	786
Unique users (m)	45	57	64	71	77	83	86
Active RBT users (m)	30	33	37	40	42	44	46
% growth		10.0%	12.1%	8.1%	5.0%	4.8%	4.5%
Calls handled (bn)	8	10	10	10			
Number of employee	1,133	1,146	1,154	1,223	1,209	1,236	1,271
Cost per employee pm (Rs)	92,586	98,728	100,000	102,594	103,317	105,494	109,028
Countries live in	22	22	23	23	24	25	26

Source: Company, Citi Investment Research and Analysis

OnMobile Global

Company description

Co-promoted in 2000 by Infosys Technologies, Argo Capital and individuals including Arvind Rao and Mouli Rman, OnMobile is India's leading application service provider (ASP) with market share estimated at 35% as of Mar 09. It develops white label applications and services for telecom operators (carrier customers) who market them to subscribers. It is headquartered in Bangalore, India. Though its genesis lay in developing applications for the US market, OnMobile shifted focus to the domestic market as the worldwide telecom industry went into turmoil in CY00-01. Its early start, success of Caller ringback tones (CRBT) and popularity of voice platform helped it achieve impressive growth with FY05-08 revenue CAGR of 86% and profit CAGR of 62.6%. OnMobile listed on the stock exchange in Feb 08 through a combination of primary and secondary issuance, constituting 18.99% of post-issuance equity.

Investment strategy

We upgrade OnMobile to Buy/Medium Risk (1M) from Sell/Medium Risk (3M). The last 2 quarters saw domestic business stabilizing after taking a hit in the first 9 months of FY10 from 1) revenue share pressure from operators as their profitability took a hit from intense competition post entry of new operators, 2) unfavorable regulations related to "press * to copy" for CRBT and 3) termination of an agreement with an operator in India. Domestic revenues have now rebounded with a 7% sequential growth in 1QFY11E on the back of 9% growth in the previous quarter. We estimate domestic revenues to grow at a CAGR of 16% over FY11-13E. In addition, the international expansion remains on track with roll-out in 2 of the 13 Telefonica countries till date. Management expects to complete roll-out in the remaining countries by end FY11E and we expect full ramp of revenues in FY12E and a CAGR of 59% over FY11-13E. We also expect EBITDA margins to recover, after collapsing by 13% in FY10E, primarily on account of upfront costs related to Telefonica roll-out. We estimate 530bps margin expansion in FY11E and a further 380bps in FY12E. We forecast earnings CAGR of 57% over FY10-13E.

Valuation

Our target price of Rs395 is based on 25x Sep-11E EPS. The target multiple is in line with global peers with similar growth profiles and imputes a reasonable PEG of 0.5x. We prefer P/E over DCF as: 1) the nature of the business with high R&D focus makes it difficult for us to incorporate any innovations/new product developments in the revenue stream over a longer time period; 2) OnMobile is in the midst of raising its international presence and it is difficult to accurately estimate the market opportunity and OnMobile's market share in these markets over a longer time period; and 3) OnMobile benefits from incremental market share gains with every new contract from an operator, which can be quite significant and can materially alter EPS estimates due to the low base effect.

Risks

Our quantitative risk rating system, which tracks 260-day historical volatility of the shares, implies a High risk rating. However, we rate OnMobile's shares Medium Risk given the deals with Vodafone and Telefonica, which should help OnMobile build credibility on its execution abilities and ability to manage scale apart from revenue upside. These deals should also help reduce the sales cycle from 1-2 years now. Key downside risks include 1) Indian operators (like their western peers) shifting from revenue share to licensing models as VAS contribution to overall wireless revenues rises. This could result in a cap on OnMobile's revenue stream from any individual customer; 2) any unfavorable regulations; 3) slower than expected international ramp-up and 4) further shrinkage of rev share in the domestic market.

Appendix A-1

Analyst Certification

The research analyst(s) primarily 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. The 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

OnMobile Global (ONMO.BO)

Ratings and Target Price History

Fundamental Research

Analyst: Gaurav Malhotra, CFA

Covered since September 1 2008

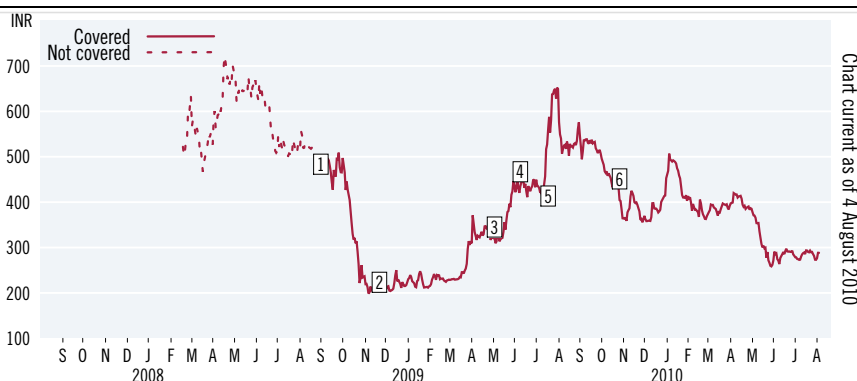


Chart current as of 4 August 2010

	Date	Rating	Target Price	Closing Price
1	31-Aug-08	*1H	*630.00	483.60
2	21-Nov-08	1H	*337.00	205.10

	Date	Rating	Target Price	Closing Price
3	4-May-09	1H	*420.00	320.55
4	9-Jun-09	*1M	*515.00	434.90

	Date	Rating	Target Price	Closing Price
5	17-Jul-09	1M	*645.00	559.45
6	27-Oct-09	*3M	*370.00	404.60

* Indicates change

Rating/target price changes above reflect Eastern Standard Time

Citigroup Global Markets Inc. or its affiliates beneficially owns 1% or more of any class of common equity securities of Baidu.com, eBay Inc, Priceline.Com Inc, Yahoo! Inc. This position reflects information available as of the prior business day.

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 Priceline.Com Inc.

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

Citigroup Global Markets Inc. or an affiliate received compensation for products and services other than investment banking services from OnMobile Global, Tencent Holdings, Alibaba.com, Amazon.com Inc, Baidu.com, eBay Inc, Expedia Inc, Google Inc, 51job, Yahoo! Inc in the past 12 months.

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

Citigroup Global Markets Inc. currently has, or had within the past 12 months, the following as clients, and the services provided were non-investment-banking, securities-related: OnMobile Global, Alibaba.com, Amazon.com Inc, Baidu.com, eBay Inc, Expedia Inc, Google Inc, Yahoo! Inc.

Citigroup Global Markets Inc. currently has, or had within the past 12 months, the following as clients, and the services provided were non-investment-banking, non-securities-related: OnMobile Global, Tencent Holdings, Alibaba.com, Amazon.com Inc, Baidu.com, eBay Inc, Expedia Inc, Google Inc, 51job, Yahoo! Inc.

Rohini Malkani has in the past worked with the India government or its divisions in her personal capacity.

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 investment banking revenues.

The Firm is a market maker in the publicly traded equity securities of Tencent Holdings, Alibaba.com, Amazon.com Inc, Baidu.com, Ctrip.com, eBay Inc, Expedia Inc, Google Inc, 51job, Priceline.Com Inc, Sina Corp., Yahoo! Inc.

For important disclosures (including copies of historical disclosures) regarding the companies that are the subject of this Citi Investment Research & Analysis product ("the Product"), please contact Citi Investment Research & Analysis, 388 Greenwich Street, 28th 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. 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 & Analysis Ratings Distribution

Data current as of 30 Jun 2010

	Buy	Hold	Sell
Citi Investment Research & Analysis Global Fundamental Coverage	54%	35%	12%
% of companies in each rating category that are investment banking clients	47%	45%	40%

Guide to Citi Investment Research & Analysis (CIRA) Fundamental Research Investment Ratings:

CIRA'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 CIRA's expectation of total return (forecast price appreciation and dividend yield within the next 12 months) and risk rating.

For securities in developed markets (US, UK, Europe, Japan, and Australia/New Zealand), investment ratings are: Buy (1) (expected total return of 10% or more for Low-Risk stocks, 15% or more for Medium-Risk stocks, 20% or more for High-Risk stocks, and 35% or more for Speculative stocks); Hold (2) (0%-10% for Low-Risk stocks, 0%-15% for Medium-Risk stocks, 0%-20% for High-Risk stocks, and 0%-35% for Speculative stocks); and Sell (3) (negative total return).

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 Citi Investment Research & Analysis (CIRA) Corporate Bond Research Credit Opinions and Investment Ratings: CIRA'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 CIRA 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 CIRA 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 CIRA's expectations for total return, relative return (to publicly available Citigroup bond indices performance), 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), performances of which are updated monthly and can be viewed at <https://fidirect.citigroup.com/> using the "Indexes" tab; 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 sector of the Citigroup indexes.

NON-US RESEARCH ANALYST DISCLOSURES

Non-US research analysts who have prepared this report (i.e., all research analysts listed below other than those identified as employed by Citigroup Global Markets Inc.) are not registered/qualified as research analysts with FINRA. 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. The legal entities employing the authors of this report are listed below:

Citigroup Global Markets India Private Limited	Gaurav Malhotra, CFA
Citigroup Global Markets Asia	Ravi Sarathy

OTHER DISCLOSURES

The subject company's share price set out on the front page of this Product is quoted as at 06 August 2010 04:00 PM on the issuer's primary market.

Citigroup Global Markets Inc. and/or its affiliates has a significant financial interest in relation to eBay Inc, Google Inc, Yahoo! Inc. (For an explanation of the determination of significant financial interest, please refer to the policy for managing conflicts of interest which can be found at www.citigroupgeo.com.)

Citigroup Global Markets Inc. or its affiliates beneficially owns 5% or more of any class of common equity securities of Yahoo! Inc.

Citigroup Global Markets Inc. or its affiliates beneficially owns 2% or more of any class of common equity securities of Baidu.com.

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 issuer(s) 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 & Analysis (CIRA) does not set a predetermined frequency for publication, if the Product is a fundamental research report, it is the intention of CIRA 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. Please ask your Financial Consultant 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.

Important Disclosures for Morgan Stanley Smith Barney LLC Customers: Morgan Stanley & Co. Incorporated (Morgan Stanley) research reports may be available about the companies that are the subject of this Citi Investment Research & Analysis (CIRA) research report. Ask your Financial Advisor or use smithbarney.com to view any available Morgan Stanley research reports in addition to CIRA research reports.

Important disclosure regarding the relationship between the companies that are the subject of this CIRA research report and Morgan Stanley Smith Barney LLC and its affiliates are available at the Morgan Stanley Smith Barney disclosure website at www.morganstanleysmithbarney.com/researchdisclosures.

The required disclosures provided by Morgan Stanley and Citigroup Global Markets, Inc. on Morgan Stanley and CIRA research relate in part to the separate businesses of Citigroup Global Markets, Inc. and Morgan Stanley that now form Morgan Stanley Smith Barney LLC, rather than to Morgan Stanley Smith Barney LLC in its entirety. For Morgan Stanley and Citigroup Global Markets, Inc. specific disclosures, you may refer to www.morganstanley.com/researchdisclosures and https://www.citigroupgeo.com/geopublic/Disclosures/index_a.html.

This CIRA research report has been reviewed and approved on behalf of Morgan Stanley Smith Barney LLC. This review and approval was conducted by the same person who reviewed this research report on behalf of CIRA. This could create a conflict of interest.

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 through Citigroup Global Markets Australia Pty Ltd. (ABN 64 003 114 832 and AFSL No. 240992), participant 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 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, 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 Israel through Citibank NA, regulated by the Bank of Israel and the Israeli Securities Authority. Citibank, N.A, Platinum Building, 21 Ha'arba'ah St, Tel Aviv, Israel. 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. The Product is made available in Japan by Citigroup Global Markets Japan Inc. ("CGMJ"), which is regulated by Financial Services Agency 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. If the Product was distributed by Nikko Cordial Securities Inc. it is being so distributed under license. In the event that an error is found in a CGMJ research report, a revised version will be posted on the Firm'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 Services 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, Integrante del Grupo Financiero Banamex ("Accival") which is a wholly owned subsidiary of Citigroup Inc. and 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, I.I. 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 Nadzoru Finansowego. Dom Maklerski Banku Handlowego S.A. ul. Chalubinskiego 8, 00-630 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 Taiwan Securities Company Ltd., 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. 1, Songzhi Road, Taipei 110, 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. In the U.A.E, these materials (the "Materials") are communicated by Citigroup Global Markets Limited, DIFC branch ("CGML"), an entity registered in the Dubai International Financial Center ("DIFC") and licensed and regulated by the Dubai Financial Services Authority ("DFSA") to Professional Clients and Market Counterparties only and should not be relied upon or distributed to Retail Clients. A distribution of the different CIRA ratings distribution, in percentage terms for Investments in each sector covered is made available on request. Financial products and/or services to which the Materials relate will only be made available to Professional Clients and Market Counterparties. 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 FINRA 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 CIRA's Products can be found at 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.

© 2010 Citigroup Global Markets Inc. Citi Investment Research & Analysis 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. 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
