

Emerging Markets Daily

Asia Edition

March 16, 2007

Yiping Huang
 Head of Asia Pacific
 Economic & Market Analysis
 (852) 2501-2735
 yiping.huang@citigroup.com

Don Hanna
 Head of Emerging Markets
 Economic & Market Analysis
 (212) 816-7919
 don.hanna@citigroup.com

See Disclosure Appendix A1 for the
 Analyst Certification and Other
 Disclosures.

Focus on India/Thailand

- **India.** Inflation control is now top priority with policy makers; we expect inflation to trend towards 5% levels by May (p. 2).
- **Thailand.** Capital controls may have been lifted but the requirement of onshore hedging offshore portfolio exposure for at least three months remains (p. 3).

Highlights

- **China.** Exports and consumption lifted industrial production growth (p. 4).
- **India.** Buoyant infrastructure data in Jan07 indicates the ongoing investment cycle upturn is on track (p. 4).
- **Vietnam.** Moody's upgraded Vietnam's rating outlook to positive (p. 4).

Today's Market Drivers

- **USA.** A projected pickup in food quotes, combined with an anticipated rebound in retail energy costs, probably propelled the CPI higher (+0.4%) in February. An anticipated rebound in factory output, along with a weather-related jump in utilities generation, probably powered the largest increase in the industrial production gauge since last June.
- **China.** Investment growth should have regained ground from a surging credit expansion and startup of new investment projects after successful IPOs last year.
- **Singapore.** Non-oil domestic exports probably contracted in February on fewer working days. Electronic exports may have contracted as much as 11%.

Data Calendar

Date	Day	Local Time	Country	Indicator	For	Citi Fcst	Mkt Fcst	Prev.
16-Mar	Fri	8:30 PM	US	Consumer Price Index (%MoM)	Feb	0.4	0.3	0.2
16-Mar	Fri	8:30 PM	US	CPI Ex Food & Energy (%MoM)	Feb	0.2	0.2	0.3
16-Mar	Fri	9:15 PM	US	Industrial Production (%MoM)	Feb	0.7	0.3	-0.5
16-Mar	Fri	9:15 PM	US	Capacity Utilization (%MoM)	Feb	81.7	81.3	81.2
16-Mar	Fri	10:00 PM	US	U. of Michigan Confidence	Mar P	89.5	90.0	91.3
16-Mar	Fri	7:50 AM	Japan	Tertiary Industry Index (%MoM)	Jan	0.4	1.2	-0.4
16-Mar	Fri	7:50 AM	Japan	Tertiary Industry Index (%YoY)	Jan	0.1	—	1.3
16-Mar	Fri	10:00 AM	China	Fixed Asset Investment (% yoy, YTD)	Feb	26.6	24.0	24.5
16-Mar	Fri	12:00 PM	Singapore	Non-Oil Domestic Exports (% YoY)	Feb	-5.2	4.0	11.1

Source: Bloomberg, CEIC Data Company Limited, Citigroup estimates.

Focus on India

Rohini Malkani
+91-22- 6631-9876

Anushka Shah

India: Inflation Control - Now Top Priority with Policy Makers

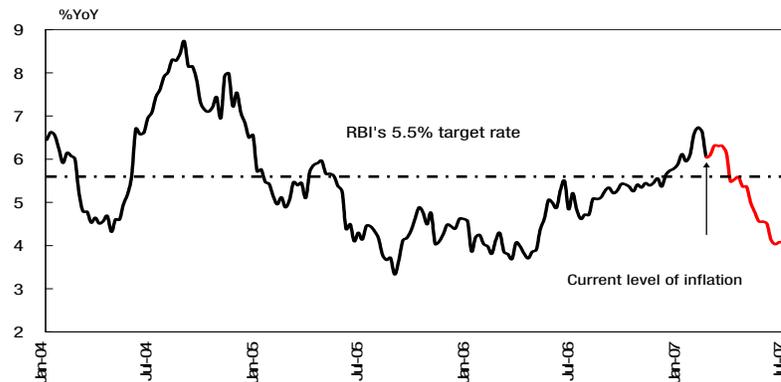
Monetary, fiscal, base effect and political compulsions will result in inflation coming off to 5% levels by May. Inflation has been a concern since it breached the RBI's target of 5.5% in October, and touched a high of 6.73% for the week ended February 3. Latest data pegs it at 6.1% for the week ended February 24. We believe that while inflation is likely to remain high over the next two months, recent government measures coupled with the base effect and political pressures will quell inflation to 5% levels by May.

Active monetary management has been aimed at controlling inflation. Besides policy interest rates moving up 150bps since October 04, the RBI has raised the CRR by 100bps in two hikes of 50bps each. Apart from this, the RBI has also imposed a cap of Rs30bn on repo transactions, partly to discourage banks from fulfilling their SLR requirements by borrowing G Secs in repo. There has also been a shift in monetary policy stance since January 31 from an equal emphasis on price stability and growth, to one of reinforcing just price stability with immediate monetary measures.

Fiscal measures will also help cool prices. The government has reduced customs duties on capital goods, metals and cement, and permitted imports of wheat and sugar. It banned exports of pulses, sugar, skimmed milk powder and forward trading in certain food grains – measures we see as regressive. Besides introducing a dual-excite structure for cement that penalizes producers who charge more, the government has also issued a directive to cement companies to freeze prices for a year. Given that inflation is one macro variable that can potentially bring down a government, we do not rule out additional regressive measures.

We expect inflation to remain in the 5.5-6.5% range until March/April, and maintain that policy rates could rise by 25bps in April. We expect 2007 to be the year of multiple policy instruments wherein if liquidity conditions ease (either via government spending or capital flows), we could see the RBI not hesitating to hike the CRR again to absorb excess liquidity. But to sustain the growth momentum, the possibility of an SLR reduction remains high.

Likely Trends in Inflation (%YoY)



Source: Office of the Economic Advisor; Citigroup

Focus on Thailand

Jun Trinidad
+63-2-894-7270

Thailand: Capital Controls Lifted But Onshore Hedging Requirement Stays

Formal capital controls may have been lifted but the requirement of onshore hedging/offshore portfolio exposure for at least three months remains. The exchange restriction imposed last Feb 28th on offshore portfolio investments in Baht-denominated bonds, mutual funds, and property funds has been revoked. The move to lift these controls gained momentum in Feb. However foreign portfolio investors are still required to hedge their local exposures in swaps or forwards for at least three months, imposing additional financial burden to foreign investors. This hedging requirement is an assurance to policymakers that investor preference remains directed at prospects for fixed income or equity market gains rather than windfall from nominal exchange appreciation. Bloomberg quoted BoT Gov. Tarisa Watanagase as having claimed the ‘no loophole’ condition for removal of this hedging requirement.

It’s a step in the right direction but government has to do more than just lift capital controls to restore investor confidence. Some policy initiatives (the revised Foreign Business Act and proposed retail business act) continue to reinforce the perception of instituting curbs on foreign investment exposure / activity under the interim government. These policies discourage FDI and hurt sentiment. We believe the impact of these investment curbs on FDI and private investments will hurt growth.

More than the exchange curbs, it was probably BoT’s steadfast intervention in the onshore spot market that stalled a strong Baht appreciation. With the exchange curbs compelling FX conversion to Baht in the onshore spot market, the market faced a deluge of dollars and sustaining pressure on the onshore Baht rate. Without BoT’s spot market purchases, which had nothing to do with regulatory controls, the Baht would probably be in the 33-34 range. As evidence of the surge in export and other offshore flows and BoT’s reaction, gross international reserves as of March 2 stood at a record high US\$68.4bn, up US\$1.46bn from Jan07. We think this implies a BOP surplus in 1Q07 probably coming largely from the current account flows — an impression that was highlighted by a senior monetary official recently. BoT’s net long dollar forward contracts also soared to US\$8.62bn as of Mar 2, up US\$1.68bn from Jan-07.

Accommodating current account flows rather than foreign capital flows seems to signal a policy preference for the former underpinning the Baht’s appreciation. We maintain our forecast of gradual Baht gains, expecting 34.50 over the next three months on the back of onshore export conversions with the BoT as the key buyer while downplaying the effect of lifting capital controls.

Exchange curbs had the supreme effect of weighing down on the equity market. The equity market has yet to recover what it lost (down by almost 8%) since Dec 18 when the first set of exchange restrictions were instituted. Exempting foreign portfolio equity investment late last year attracted net inflows of Bt28bn ytd March 12 but remains sharply lower against year-ago level of Bt83.7bn.

News in Brief

Yiping Huang
(852) 2501-2735

China

Exports and consumption lifted industrial production growth. Industrial production growth was lifted to 18.5% in Jan-Feb from 14.7% in Dec, exceeding market consensus of 15.5% and our forecast of 15.3%. Given stable growth in industrial profits last year despite Renminbi appreciation, industrial output growth may remain strong but largely stable in the near term. The faster pace of growth in Jan-Feb following growth moderation in late-2006 indicates an investment rebound, and may prompt the government to reinforce its stance to balance growth. *(Patricia Pong)*

India

The Infrastructure Index registered growth of 8.7% in Jan 07, compared with 8.2% in Jan 06. On a cumulative basis, growth in Apr-Jan 07 was up 8.4%, significantly higher than the 5.8% growth during the same period last year. Highlights include: (1) Continued buoyancy in construction, with steel posting double-digit growth at 10.4% in Jan 07 and cement relatively lower at 6.8%; (2) Strong trends in coal production, up 10% in Jan 07, despite a high base effect; and (3) sustained buoyancy in electricity, up 8.5% – attributable to back-ended spending as FY07 is the last year of the 10th Plan. Surprisingly, crude-oil production eased to just 4.7% from double-digit levels earlier in the year, in spite of a low-base effect due to the ONGC fire last year. **Positive:** We see the buoyant infrastructure data, which comprise 27% of the Index of Industrial Production, as an indication that the ongoing investment cycle upturn is on track. *(Rohini Malkani/Anushka Shah)*

Indonesia

Bank Indonesia starts absorbing excess market liquidity. For the first time since early January, Bank Indonesia issuing IDR 15 trillion more SBI than the maturing one in the last Wednesday's auction. Despite this move, BI could only take 13.3% of the incoming bids; thus, still reflecting the desperate situation of banks to get an additional piece of the SBI. Banks bid almost five times higher than the IDR 60.8 trillion

potentially available funds, consisting of (1) IDR 25 trillion of maturing SBI, (2) IDR 32.6 trillion of O/N FasBI outstanding, and (3) IDR 3.2 trillion of government bonds coupon payments. This positive net absorption has sent down the O/N FasBI outstanding to IDR 21.6 trillion from IDR 32.6 trillion level before the SBI settlement and around IDR 3.2 trillion government bonds' coupon payment. As a result, the O/N money market rate was up slightly to 4.50% on Thursday from 4.38% on Wednesday. Next week tax payment will likely push the O/N money market rate up again temporarily. *(Anton Gunawan)*

Philippines

Latest ratings of President Arroyo improved slightly. Low oil prices, a strong currency, increased government spending since late last year and improving governance was probably behind the ratings improvement. We think economic conditions and improving security risk perception will impact more on Arroyo's approval ratings rather than the drag from political legitimacy issue and recent foreign review of corruption in the country. The latest Social Weather Stations (SWS) survey indicated a minus 4 rating (difference between percentage satisfied and dissatisfied) from a minus 16 in the Nov 2006 survey, signaling a gradual upturn in political support for Pres. Arroyo that should benefit the pro-Arroyo candidates in the upcoming elections. Practically all regions except Metro Manila indicated a move to a 'neutral' rating. Luzon (except Metro Manila) registered an improvement in ratings of -2 from -16. According to the SWS survey, the approval rating rose from minus 7 in Nov 2006 to plus 1 in the Feb survey. Mindanao's survey ratings also improved from minus 12 to 0. In Metro Manila however, the net approval rating worsened to minus 24 in Feb from minus 16 last Nov. Her approval rating in the urban areas improved from minus 21 to minus 8 in the latest survey. Among the high-end crowd (income classes ABC), Arroyo's ratings turned positive 7 from minus 14. In the rural areas, her approval rating also improved from minus 3 to plus 1. The SWS survey was conducted on Feb 28-27 with a sample of 1,200 respondents nationwide. *(Jun Trinidad)*

OFW remittances grew 20% in Jan 2007 to contribute to a strong peso, larger FX reserves and consumer spending during the month. Seasonally adjusted remittances however fell 6.7%MoM to offset the 3.8%MoM increase in Dec. In real terms, we estimate remittances grew 7.4%yoy in Jan. Downside to strong remittance growth is its impact in hiking domestic liquidity which expanded 22.8% during the month. With corporate demand hardly a factor in 1Q07, the favorable remittance update implies strong BSP intervention and rising FX reserves. Strong remittance growth to start the year increases the potential for remittances to overshoot single digit growth. *(Jun Trinidad)*

While positive, the pace of bank lending remains moderate. Bank lending activity using a broader measure to include thrift banks and rural banks grew 9.4% in Jan 2007, slightly lower than the preceding month's 11%yoy. Lacking more upbeat lending activity argues for keeping the tiering mechanism. The update suggests that broad based spending activity led by fiscal spending has yet to stimulate increased production activity, which in turn, hikes credit demand. We are more impressed with the breakdown of bank lending. With the exception of transportation, storage and communication that registered a drop of 1.7%, bank lending to the rest of the sectors recorded growth. Bank credit flows to the agriculture, fisheries and forestry sector grew 6.7% in Jan from 4.4% in Dec. Bank lending to the manufacturing and construction sectors (22% share) was back in positive territory, having posted declines in the previous months. *(Jun Trinidad)*

Singapore

Retail sales dropped 1.8% in January from a year ago, partly due to the timing of the Chinese New Year holidays. Ex-auto retail sales fell a steep 5.9%. Even with the adjustment from the timing of the holidays, the figure was disappointing and points to continued sluggish consumer spending despite buoyant headline GDP growth. We expect some modest improvement going forward given signs of a tightening labor market, rising wages and a buoyant property market. Any upside may however be capped by the 2% GST hike (to 7%) in July this year *(Hak Bin Chua)*.

Vietnam

Moody's has changed to positive from stable its outlook for Vietnam's Ba3 foreign-currency government bond rating, and has assigned a Ba3 local-currency government bond rating, also with a positive outlook. The positive outlook change could underpin investor interest and create the potential to attract more capital inflows to Vietnam's debt market. However, we think that recent strong demand, especially from the global bond funds, for Vietnam's dollar bonds and dong-denominated bonds has largely reflected investor optimism about Vietnam's economic prospect, government efforts to develop the bond market, and a possible rating or outlook upgrade. Bond yields have fallen and spreads have been relatively tight this year. Thus, we think the market impact will likely be limited. *(Renee Chen)*

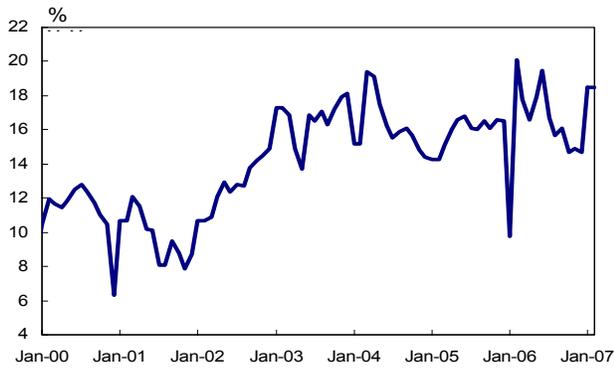
Data Review

Announcement	Release Date	HK/SG- Time	For	Actual	Citi Fcst	Mkt Fcst	Prev
China							
Value Added Industry (% YoY, real)	15-Mar	10:00 AM	Feb	18.5	15.3	15.0	14.7
Singapore							
Retail Sales Value (% YoY)	15-Mar	12:00 PM	Jan	-1.8	5.4	5.5	4.7

Source: Bloomberg, CEIC Data Company Limited, Citigroup estimates.

China. Exports and consumption lifted industrial production growth

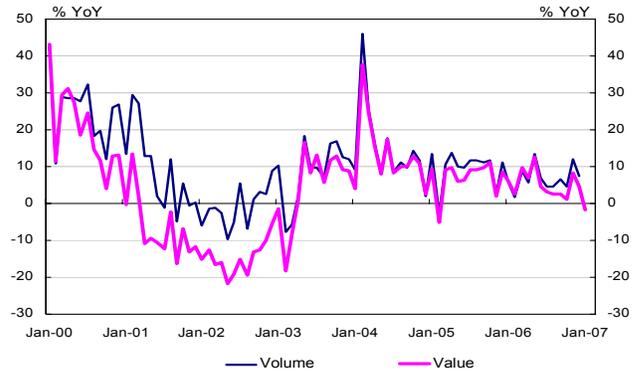
Value-Added of Production



Source: CEIC Data Company Limited

Singapore. Figure points to continued sluggish consumer spending despite buoyant headline GDP growth

Retail Sales



Source: CEIC Data Company Limited

Selected Market Indicators

Policy Rates					Currency						
	Spot	Change (ppt)			Spot	Change (%)					
		1 Day	1 Mo	1 Yr		1 Day	1 Mo	1 Yr			
China - 1-year lending rate	6.12	-	-	0.54	Bangladesh Taka	68.925	0.00%	0.15%	0.22%		
Hong Kong - 3-Month Interbank Rate	4.21	(0.05)	(0.03)	(0.23)	China Renminbi	7.7447	-0.08%	0.28%	3.78%		
India - Overnight Reverse Repo Rate	6.00	-	-	0.50	Hong Kong Dollar	7.8121	0.03%	0.03%	-0.68%		
Indonesia - BI Rate	9.00	-	(0.25)	(3.75)	Indian Rupee	44.22	0.08%	-0.04%	0.45%		
Malaysia - Overnight Policy Rate	3.50	-	-	0.25	Indonesian Rupiah	9225.5	-0.03%	-1.63%	-1.09%		
Philippines - O/N Rate	7.50	-	-	-	Malaysian Ringgit	3.5130	-0.04%	-0.40%	5.47%		
Singapore - 3-Month Interbank Rate	2.93	(0.12)	(0.44)	(0.51)	Philippine Peso	48.73	-0.17%	-0.55%	4.76%		
South Korea - Overnight Rate	4.50	-	-	0.50	Singaporean Dollar	1.5335	0.06%	0.54%	5.51%		
Taiwan - Overnight Rate	1.70	0.00	0.01	0.25	South Korean Won	944.5	0.19%	-0.52%	3.21%		
Thailand - 14-Day Repo Rate	4.53	-	(0.25)	0.03	Taiwan Dollar	33.028	0.08%	0.16%	-1.92%		
					Thai Baht (onshore)	35.005	0.10%	2.24%	11.84%		
					Thai Baht (offshore)	33.175	-0.23%	0.89%	18.01%		
					Vietnam Dong	16023	-0.05%	-0.27%	-0.75%		
Long Term Bond Yield					Equities						
	Spot	Change (ppt)			Last Index Level	Change (%)					
		1 Day	1 Mo	1 Yr		1 Day	1 Mo	1 Yr			
China - Government bond yield (5-Year)	2.72	-	(0.01)	0.37	Bangladesh DHAKA	1718	0.00%	-8.91%	9.11%		
Hong Kong - 5-Year Exchange Fund Note	4.10	0.03	(0.19)	(0.21)	China (H Shares)	9096	1.02%	-6.77%	29.57%		
India - 10-Year Gilt	7.97	-	0.07	0.56	China (Shanghai SE Composite)	2952	1.54%	4.06%	56.81%		
Malaysia - MGS 1/05	3.59	-	(0.14)	(0.16)	Hong Kong Hang Seng	18969	0.70%	-6.13%	17.13%		
Philippines - 5-Year T Bond	5.91	0.07	0.31	(2.14)	India NIFTY	3682	1.12%	-9.83%	13.23%		
Singapore - 10-Year SGS	2.91	-	(0.32)	(0.60)	Indonesia Jakarta	1776	0.79%	2.76%	29.94%		
South Korea - 5-Year Treasury	4.82	(0.00)	(0.15)	(0.30)	Korea KOSPI	1427	1.37%	0.59%	6.51%		
Taiwan - 10-Year Government Bond	1.96	-	(0.02)	0.17	Malaysia Kuala Lumpur	1180	1.18%	-4.58%	21.70%		
Thailand - 10 Year Government Bond	4.47	-	(0.25)	(0.82)	Philippines Composite	3044	-1.01%	-6.25%	30.09%		
Vietnam - 5-Year Government Bond	7.21	(0.02)	(0.67)		Singapore Straits Times	3095	1.34%	-1.76%	19.28%		
					Taiwan Taiex	7696	1.63%	-0.53%	15.30%		
Other Indicators					EM CDS (5Yr)						
	Last Index Level	Change			Prev Close	Change			5s-2s	10s-5s	
		1 Day	1 Mo	1 Yr		1 Day	1 Mo	1 Yr			
Fed Funds	5.31	-	0.06	0.81	China	11	0	0	-8	5	7
6 month LIBOR	5.30	-	(0.10)	0.26	India	55	0	14	4	-	-
10 Yr UST	4.53	(0.00)	(0.28)	(0.20)	Indonesia	131	0	19	-42	75	97
10 Yr Bund	3.906	0.02	(0.22)	0.22	Korea	18	0	0	-5	7	9
Eurostoxx	3548	-0.17%	-7.30%	0.31%	Malaysia	18	0	1	-8	8	10
10 Yr JGB	1.595	0.02	(0.15)	(0.14)	Philippines	133	0	20	-61	76	96
10 Yr Swap	5.07	(0.01)	(0.25)	(0.20)	Thailand	44	0	9	3	19	27
HY BB Index	456	0.00%	0.63%	8.91%	Volatility						
HY B Index	498	0.00%	0.30%	10.38%	Last ATMf		1 Day	1 Mo	1 Yr		
VIX	17.27	-	6.93	5.92	China	1M Vol	1.25	-0.11	-0.33	-0.76	
DJIA	12133	0.00%	-4.30%	7.61%		3M Vol	1.50	-0.03	-0.23	-1.01	
SPX	1387	0.00%	-4.12%	6.07%	Hong Kong	1M Vol	0.75	0.05	0.05	0.35	
TPX	1694	1.14%	-3.64%	1.62%		3M Vol	0.73	-0.05	-0.03	0.24	
NASDAQ	1743	0.00%	-2.33%	2.79%	India	1M Vol	3.75	-0.25	-0.15	-0.63	
Oil, WTI	58	0.55%	-0.99%	-6.31%		3M Vol	4.05	-0.15	-0.20	-0.50	
Copper Index	285.20	0.98%	9.38%	20.92%	Korea	1M Vol	4.20	0.15	0.20	-2.38	
JPY/USD	117	0.22%	-3.26%	-0.03%		3M Vol	4.20	0.10	0.05	-2.32	
USD/EUR	1.3200	-0.18%	1.22%	8.57%	Singapore	1M Vol	3.40	0.18	0.18	-0.85	
ECB Marginal Lending	4.75	-	0.25	1.25		3M Vol	3.50	0.23	0.10	-0.74	
BOJ	0.45	(0.10)	(0.37)	(0.37)	Taiwan	1M Vol	3.18	0.00	0.13	-1.78	
Palm Oil Future	1,945	0.00%	3.03%			3M Vol	3.25	-0.13	-0.25	-2.00	
Gold	647	0.31%	-2.71%	14.50%	Thailand	1M Vol	13.25	-2.00	-1.00	6.04	
DRAM Benchmark Value Weighted Index	3,620	-0.11%	-9.59%	17.19%		3M Vol	10.15	-1.35	-2.35	3.30	

Source: Bloomberg (as of 3/15/2007 6:36 PM).

Economic & Market Analysis

ECONOMIC AND MARKET ANALYSIS — Asia Pacific

Yiping Huang

Head of Asia Pacific
Economic & Market Analysis
(852) 2501-2735
yiping.huang@citigroup.com

Don Hanna

Head of Emerging Markets
Economic & Market Analysis
(212) 816-7919
don.hanna@citigroup.com

Hak Bin Chua

Asia Equity Themes and
Singapore
+65 6432-2057
hak.bin.chua@citigroup.com

Moh Siong Sim

Asia Currency and Interest Rate,
and Malaysia
+65 6328-5721
moh.siong.sim@citigroup.com

Adrienne Lui

Asia
+852 2501-2753
adrienne.lui@citigroup.com

Michael Luk

Asia
+852 2501-2775
michael.y.luk@citigroup.com

Rohini Malkani

Bangladesh and India
+91 22 5631-9876
rohini.malkani@citigroup.com

Anushka Shah

Bangladesh and India
+91 22 5631-9878
anushka.shah@citigroup.com

Minggao Shen

China
+86 10 6510-2933 x71068
minggao.shen@citigroup.com

Joe Lo

Hong Kong
+852 2868-8442
joe.lo@citigroup.com

Patricia Pong

Hong Kong and China
+852 2868-8449
patricia.pong@citigroup.com

Anton H. Gunawan

Indonesia
+62 21 5290-8423
anton.gunawan@citigroup.com

Suktae Oh

Korea
+82 2 2077-4014
suktae.oh@citigroup.com

Jun Trinidad

Philippines and Thailand
+63 2 894-7270
jun.trinidad@citigroup.com

Cheng Mount Cheng

Taiwan
+886 2 2777-7070
chengmount.cheng@citigroup.com

Renee Chen

Taiwan and Vietnam
+886 2 2777-7063
renee.chen@citigroup.com

ECONOMIC AND MARKET ANALYSIS

David P. Lubin

Head of CEEMEA
Economic & Market Analysis
+44 20 7986-3302
david.p.lubin@citigroup.com

Alberto Ades

Head of Latin America
Economic & Market Analysis
+212 816-2735
alberto.ades@citigroup.com

Disclosure Appendix

Analyst Certification

This research report contains commentary and analysis by Yiping Huang. Each of these individual analysts/strategists/economists hereby certifies that, with respect to the issuers about which they have provided commentary or analysis all of the views expressed in this research report accurately reflect the analyst's/strategist's/economist's personal views about the subject issuer(s) and its (their) securities. Each of these individuals also certifies that no part of their compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report.

Other Disclosures

Additional information regarding this report is available on request.

Citigroup research analysts receive compensation based on a variety of factors. Like all Citigroup employees, analysts receive compensation that is impacted by Citigroup's overall profitability, which includes revenues from, among other things, investment banking activities. Analyst compensation is determined by Citigroup research management and other senior management (not including investment banking personnel).

Issuer-Specific Disclosures

Citigroup, its officers, directors and/or employees, may from time to time have long or short positions in, act as principal in connection with, and buy or sell securities or derivatives (including options and warrants) discussed in this report. For purposes of your review of this report, you should assume that this is the case with respect to the securities covered herein.

Citigroup does and/or seeks to do business with many issuers, including through the provision of investment banking or other services. For purposes of your review of this report, you should assume that Citigroup has acted as a manager or co-manager of an offering of securities discussed in this report within the prior 12 months or has provided other services to the issuer within the prior 12 months for which it has received or expects to receive compensation.

Citigroup is an active market maker or liquidity provider for many fixed-income securities and from time to time takes principal positions in such securities or related derivatives. For purposes of your review of this report, you should assume that this is the case with respect to the securities covered herein.

Other General Disclosures

This research report was prepared by Citigroup Global Markets Inc. ("CGMI") and/or one or more of its affiliates (collectively, "Citigroup"), as further detailed in the report, and is provided for information and discussion purposes only. It does not constitute an offer or solicitation to purchase or sell any securities or other financial products.

This report does not take into account the investment objectives, financial situation or particular needs of any particular person. Investing in securities and other financial products entails certain risks, including the possible loss of the entire principal amount invested. Certain investments in particular, including those involving structured products, futures, options and other derivatives, are complex, may entail substantial risk and are not suitable for all investors. The price and value of, and income produced by, securities and other financial products may fluctuate and may be adversely impacted by exchange rates, interest rates or other factors. Prior to effecting any transaction in options or options-related products, investors should read and understand the current Options Clearing Corporation Disclosure Document, a copy of which may be obtained on request from your Citigroup representative. Certain securities may not be registered with, or subject to the reporting requirements of, the US Securities and Exchange Commission or any comparable regulatory authority. Information available on such securities may be limited. Investors should obtain advice from their own tax, financial, legal and other advisors and only make investment decisions on the basis of the investor's own objectives, experience and resources.

The information contained in this report is based on generally available information and, although obtained from sources believed to be reliable, its accuracy and completeness is not guaranteed. The analysis contained in this report is based on a number of assumptions. Changes in such assumptions could produce materially different results. This communication is not intended to forecast or predict future events. Past performance is not a guarantee or indication of future results.

Citigroup research analysts may communicate with sales and trading personnel and other Citigroup personnel for the purposes of gathering and analyzing market information and may discuss with such personnel information regarding, among other things, market trends, economic trends, the market for bonds of a specific issuer and other market information (such as current prices, spreads and liquidity), so long as such communications do not impair the analyst's independent ability to express accurately his or her personal views about any and all of the subject securities or issuers. Other Citigroup personnel who do not function as research analysts, including sales and trading personnel, may provide oral or written market commentary or trade ideas to Citigroup's customers or proprietary trading desks that differ from the views expressed in this report. Citigroup's proprietary trading and asset management businesses may make investment decisions that are different from the recommendations contained in this report.

Citigroup has no duty to update this report and the opinions, estimates and other views expressed in this report may change without notice. No liability whatsoever is accepted for any loss (whether direct, indirect or consequential) that may arise from any use of the information contained in or derived from this report.

Securities recommended, offered or sold by Citigroup (unless expressly stated otherwise): (i) are not insured by the Federal Deposit Insurance Corporation or any other body; and (ii) are not deposits or other obligations of Citibank, N.A. or any other insured depository institution.

Citigroup does not provide tax advice and nothing contained herein is intended to be, or should be construed as, tax advice. Any discussion of US tax matters contained in this report was written to support the promotion or marketing of the transactions or other matters addressed herein and is not intended to be used, and must not be used by any recipient, for the purpose of avoiding US federal tax penalties. Recipients of this report should seek tax advice based on the recipient's own particular circumstances from an independent tax adviser.

This report is intended for distribution solely to customers of Citigroup in those jurisdictions where such distribution is permitted. No part of this report may be copied or redistributed by any recipient for any purpose without Citigroup's prior written consent.

Local law requirements may prohibit certain investors from effecting a transaction in the security or securities covered in this report. US persons wishing further information or to effect a transaction should contact a registered representative of CGMI in the United States. Non-US persons wishing further information or to effect a transaction should contact a Citigroup entity located in their own jurisdiction unless applicable governing law permits otherwise.

Australia: This report 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 Citigroup Wealth Advisors 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.

Canada: If this report 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.

Hong Kong: If this report 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 this report 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.

India: 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.

Japan: This report is being distributed in Japan by Nikko Citigroup Limited. If this report was prepared by a Citigroup affiliate of Nikko Citigroup Limited, it is being distributed by Nikko Citigroup Limited under license. If this report was prepared by Nikko Citigroup Limited, it may be based in part on a report produced by one of its affiliates used under license. If this report was prepared by Nikko Citigroup Limited and is being distributed in other jurisdictions by other Citigroup affiliates, or by Nikko Cordial Securities Inc., it is being distributed by them under license. Nikko Citigroup Limited is regulated by Financial Services Agency, Securities and Exchange Surveillance Commission, Japan Securities Dealers Association, Tokyo Stock Exchange and Osaka Securities Exchange. Akasaka Park Building, 2-20, Akasaka 5-chome, Minato-ku, Tokyo 107-6122.

Korea: 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.

Malaysia: 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.

Mexico: This report 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.

New Zealand: This report is made available in New Zealand through Citigroup Global Markets New Zealand Limited, 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.

Poland: 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.

Russia: 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.

Singapore: The Product is made available in Singapore through Citigroup Global Markets Singapore Pte. Ltd., a Capital Markets Services License holder, and regulated by Monetary Authority of Singapore. 1 Temasek Avenue, #39-02 Millenia Tower, Singapore 039192.

South Africa: 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.

Taiwan: 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.

United Kingdom: This report is being distributed in the United Kingdom by Citibank, N.A., London Branch, or Citigroup Global Markets Limited, Citigroup Centre, Canada Square, Canary Wharf, London E14 5LB, UK. This material is directed exclusively at market professional and institutional investor customers in the United Kingdom and is not for distribution to private customers in the United Kingdom as defined by the Financial Services Authority. Any investment or service to which this material may relate will not be made available to such private customers. This material may relate to investments or services of a person outside the United Kingdom or to other matters that are not regulated by the Financial Services Authority, and further details as to where this may be the case are available on request in respect of this material.

United States: This report is being distributed in the United States by CGMI. If this report was prepared in whole or in part by a non-US affiliate of CGMI, CGMI accepts responsibility for its contents (subject to the notices above). If this report covers non-US securities, US investors should be aware that non-US companies may not be subject to uniform audit and reporting standards, practices and requirements comparable to those in the United States. Securities of some non-US companies may be less liquid and their prices may be more volatile than securities of comparable US companies. Exchange rate movements may have an adverse effect on the value of an investment in non-US securities and its corresponding dividend payment for US investors. CGMI is a member of the Securities Investor Protection Corporation.

European Union: Unless specified to the contrary, within EU Member States, the Product is made available by Citigroup Global Markets Limited, which is regulated by the Financial Services Authority. Many European regulators require that the firm must establish, implement and make available a policy for managing conflicts of interest arising as a result of publishing or distribution of investment research. The policy applicable to research analysts within the Citigroup Investment Research division can be found at www.citigroupgeo.com. The policy applicable to research analysts within Citigroup's Fixed Income Strategy and Analysis and Economic & Market Analysis divisions, as well as the investment research they produce, can be obtained by contacting Citigroup Global Markets Inc., 388 Greenwich Street 11th floor, NY NY 10013, Attention: Fixed Income Publishing.

© Citigroup Global Markets Inc., 2007. All rights reserved. Smith Barney is a division and service mark of Citigroup Global Markets Inc. and its affiliates and is used and registered throughout the world. Citigroup and the Umbrella Device are trademarks and service marks of Citicorp and its affiliates and are used and registered throughout the world. CitiFx® is a service mark of Citicorp. Nikko is a service mark of Nikko Cordial Corporation. Any unauthorized use, duplication or disclosure is prohibited by law and may result in prosecution.