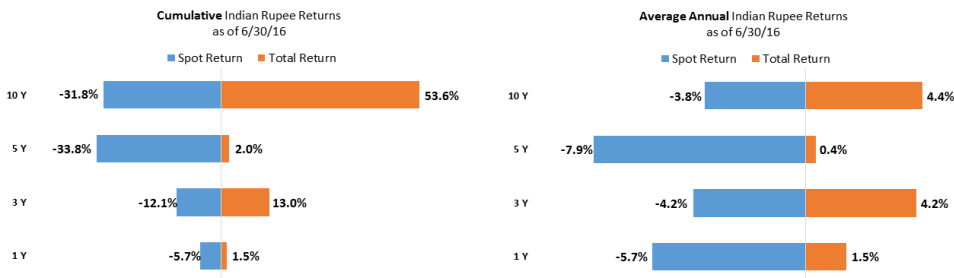


DOES CURRENCY HEDGING MAKE SENSE FOR INDIA?

Jeremy Schwartz – Global Chief Investment Officer
08/03/2016

Recently, we saw a Twitter conversation with participants expressing a need for a [currency hedging](#) exchange-traded fund (ETF) for India, out of fears weakness in the rupee could eat away at India's equity market returns. The core investment proposition: India stands to be one of the great growth stories of the coming decades. It has the world's largest populations that are likely to "catch up" on a relative basis to the developed world, and the growth in consumption from India's middle class should be one of the great growth stories in the coming years. But does India's high [inflation](#) erode the value of the rupee such that returns for U.S. investors buying Indian equities will be hurt by a perpetually falling exchange rate? The problem, in our view, with offering an Indian rupee-hedged ETF is that the cost to hedge the rupee is quite high, and we believe it outweighs the benefits over the longer run. In the short run, of course, hedging would help if the rupee depreciates by more than the costs. But the investment thesis for Indian growth driven by demographics is by nature, over the long run. So does hedging the rupee over the long run work? Some investors familiar with our [currency-hedged approach](#) to Europe and Japan have questioned why we don't employ a similar strategy for Indian equities. **Why Europe and Japan Are Different: Currently the Cost to Hedge Is Negative; You're Paid to Hedge First**, let me review why we believe Europe and Japan are different from India. In the developed world, WisdomTree has argued that currency often poses uncompensated risk—there is no reason to believe currencies like the euro and yen should always appreciate in value versus the U.S. dollar. So why should investors always bet on these currencies appreciating? It is also inexpensive to hedge in these regions. The primary cost of currency hedging is based on short-term [interest rate differentials](#) between the foreign market and the home market. A surprising truth: In the developed world, U.S. investors have been "paid" to hedge currency risk over the last 30 years on average. Currently, the European Central Bank (ECB) has an [interest rate](#) of negative 40 [basis points \(bps\)](#), and the Federal Reserve (Fed) has a positive interest rate close to 40 basis points—so by using [forward contracts](#), a key tool of our hedging mechanism, an investor is paid those relative differentials (more than 80 basis points). In Japan, with Bank of Japan (BOJ) rates at negative 10 basis points, an investor is also being paid to strategically hedge the yen. These negative rate differentials—in finance terms, the "[carry](#)"—are why I call currency hedging a "better than free option," because U.S. investors can hedge their currency risk from equities with a potential for this interest rate income. **Rupee Hedging Costs Are High because India Interest Rates Are Quite High** However, rates for India are much higher than the U.S., and an investor must pay the interest rate differential. Short-term interest rates in India are currently at 6.5%. The differential in interest rates between India and the U.S. is thus currently greater than 6 percentage points. Could the rupee depreciate by more than 6% a year? That is how much it has to fall for an investor just to break even on the cost to hedge. The below chart illustrates the difference between the [spot return](#) of the rupee and the total return from investing in long rupee forward contracts. Note: This is the exact opposite of what an investor would have experienced hedging (i.e., how much someone would have paid to hedge). Over the last 10 years, the cumulative spot return for the rupee was negative 31.8%, but the total return

for being long rupee forward contracts was a positive 53.6%. This is because interest rate differentials (7%+ per year on average) more than compensated for the decline in the rupee's value. On an average annual basis, the differential over 10 years was as follows: The rupee lost 3.8% per year, but the total return of going long rupees was 4.4% per year. This means hedging the rupee would have cost investors 4.4% per year, despite being correct that the rupee would have depreciated over the period.



Source: Bloomberg, as of 6/30/16. Past performance is not indicative of future results.

wisdomTree argues that strategic investors may rather have the potential to collect the higher interest rate in India's local markets. That is why we created the [wisdomTree Indian Rupee Strategy Fund \(ICN\)](#), which seeks to benefit from high short-term interest rates available to investors in India. This Fund goes [long](#) Indian rupee [nondeliverable forward contracts](#) to collect the [interest rate premium](#), instead of paying it, as an investor would need to do to hedge the exposure. The forward contracts in the Fund are also collateralized by U.S. cash investments. The combination of interest from the U.S. cash instruments with the interest rate premium approximates the local money market rates in India, which is how the strategy seeks to accomplish its objective. While there certainly would have been a [volatility](#) reduction for investing in India while hedging the rupee, the returns would have been lower over the last 1, 3, 5 and 10 years, all periods when the rupee depreciated. Many emerging market (EM) currencies offer the potential for excess returns through a couple of factors. First is the convergence to long-term purchasing power. EM currencies are often valued at a discount compared to their long-term purchasing power. As these countries develop, the discount gradually fades as their productivity outstrips productivity in more mature economies. Second, as we discussed, these countries have higher interest rates or carry that attracts capital inflows. In addition, higher carry compensates investors for greater uncertainty in inflation expectations as well as the volatility of spot movements. For these reasons, we still see the cost to hedge the rupee as an impediment to the long-term returns from rupee-hedging Indian equities. *Unless otherwise noted data source is Bloomberg, as of June 30, 2016.*

Important Risks Related to this Article

There are risks associated with investing, including possible loss of principal. Foreign investing involves special risks, such as risk of loss from currency fluctuation or political or economic uncertainty. This Fund focuses its investments in India, thereby increasing the impact of events and developments associated with the region, which can adversely affect performance. Investments in emerging or frontier markets are generally less liquid and less efficient than investments in developed markets and are subject to additional risks, such as risks of adverse governmental regulation and intervention or political developments. Investments in currency involve additional special risks, such as credit risk and interest rate fluctuations. Derivative investments can be volatile, and these investments may be less liquid than other securities, and more sensitive to the effects of varied economic conditions. As this Fund can have a high concentration in some issuers, the Fund can be adversely impacted by changes affecting those issuers. Unlike typical exchange-traded funds, there are no indexes that the Fund attempts to track or replicate. Thus, the ability of the Fund to achieve its objectives will depend on the effectiveness of the portfolio manager. Due to the investment strategy of this

Fund, it may make higher capital gain distributions than other ETFs. Please read the Fund's prospectus for specific details regarding the Fund's risk profile. Investments focused in Europe and Japan may increase the impact of events and developments associated with those regions, which can adversely affect performance.

For standardized performance and the most recent month-end performance click [here](#) NOTE, this material is intended for electronic use only. Individuals who intend to print and physically deliver to an investor must print the monthly performance report to accompany this blog.

For more investing insights, check out our [Economic & Market Outlook](#)

view the online version of this article [here](#).

IMPORTANT INFORMATION

U.S. investors only: Click [here](#) to obtain a WisdomTree ETF prospectus which contains investment objectives, risks, charges, expenses, and other information; read and consider carefully before investing.

There are risks involved with investing, including possible loss of principal. Foreign investing involves currency, political and economic risk. Funds focusing on a single country, sector and/or funds that emphasize investments in smaller companies may experience greater price volatility. Investments in emerging markets, currency, fixed income and alternative investments include additional risks. Please see prospectus for discussion of risks.

Past performance is not indicative of future results. This material contains the opinions of the author, which are subject to change, and should not to be considered or interpreted as a recommendation to participate in any particular trading strategy, or deemed to be an offer or sale of any investment product and it should not be relied on as such. There is no guarantee that any strategies discussed will work under all market conditions. This material represents an assessment of the market environment at a specific time and is not intended to be a forecast of future events or a guarantee of future results. This material should not be relied upon as research or investment advice regarding any security in particular. The user of this information assumes the entire risk of any use made of the information provided herein. Neither WisdomTree nor its affiliates, nor Foreside Fund Services, LLC, or its affiliates provide tax or legal advice. Investors seeking tax or legal advice should consult their tax or legal advisor. Unless expressly stated otherwise the opinions, interpretations or findings expressed herein do not necessarily represent the views of WisdomTree or any of its affiliates.

The MSCI information may only be used for your internal use, may not be reproduced or re-disseminated in any form and may not be used as a basis for or component of any financial instruments or products or indexes. None of the MSCI information is intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. Historical data and analysis should not be taken as an indication or guarantee of any future performance analysis, forecast or prediction. The MSCI information is provided on an “as is” basis and the user of this information assumes the entire risk of any use made of this information. MSCI, each of its affiliates and each entity involved in compiling, computing or creating any MSCI information (collectively, the “MSCI Parties”) expressly disclaims all warranties. With respect to this information, in no event shall any MSCI Party have any liability for any direct, indirect, special, incidental, punitive, consequential (including loss profits) or any other damages (www.msci.com)

Jonathan Steinberg, Jeremy Schwartz, Rick Harper, Christopher Gannatti, Bradley Krom, Tripp Zimmerman, Michael Barrer, Anita Rausch, Kevin Flanagan, Brendan Loftus, Joseph Tenaglia, Jeff Weniger, Matt Wagner, Alejandro Saltiel, Ryan Krystopowicz, Jianing Wu, and Brian Manby are registered representatives of Foreside Fund Services, LLC.

WisdomTree Funds are distributed by Foreside Fund Services, LLC, in the U.S. only. You cannot invest directly in an index.

DEFINITIONS

Currency hedging: Strategies designed to mitigate the impact of currency performance on investment returns.

Inflation: Characterized by rising price levels.

Interest Rate Differentials: The Difference between the 2 Year interest rate swaps of the United Kingdom vs. the United States.

Interest rates: The rate at which interest is paid by a borrower for the use of money.

Basis point: 1/100th of 1 percent.

Forward contracts: Agreements to buy or sell a specific currency at a future date at an agreed upon rate.

Carry: The amount of return that accrues from investing in fixed income or currency forward contracts.

Spot return: return generated from changes in spot price.

Long (or Long Position): The buying of a security such as a stock, commodity or currency, with the expectation that the asset will rise in value, the opposite of Short (or Short Position).

Non-deliverable forward currency contract: An agreement to buy or sell a specific currency at a future date at an agreed-upon rate that is settled in U.S. dollars.

Interest rate premium: Refers to the difference between short-term interest rates in different domiciles.

Volatility: A measure of the dispersion of actual returns around a particular average level.