

Subject: Fw: Jeffrey - Two 9month expiry Rupee option trades + historical charts  
From: Tazia Smith <[REDACTED]>  
Date: Tue, 20 May 2014 15:20:04 -0400  
To: jeevacation@gmail.com  
Cc: Paul Morris <[REDACTED]>,  
Nav Gupta <[REDACTED]>,  
Vinit Sahni <[REDACTED]>,  
[REDACTED],  
Vahe Stepanian <[REDACTED]>

Jeffrey -

Traders' view is that accurate history on the option itself (9mo ATM USDpINRc, for example) doesn't exist given the forward points, vol, liquidity, etc backdated inputs would not be accurate. That said, I've included the 6 and 12mo ATM USDINR implied vol history here to provide some context of historical relative value. Bloomberg is pretty accurate historically for G10 currencies, for INR it's a bit off, but will give you a sense:

As of 8/28/13 (USDINR high of 68.825 spot), bloomberg suggests the ATM 9mo USDcINRp would cost 5.01% (see screenshot below).

Going back to 5/20/13 when spot was at it's 52wk low (rupee strength vs USD) of 55.1137, the 9mo ATM USDcINRp cost ~1.65% according to Bloomberg.

This compares to the present ~1.3% vs. 58.60 spot that Nav laid out.

6mo USDINR AMT Implied Vol History  
(Embedded image moved to file: pic15665.gif)

1yr USDINR AMT Implied Vol History  
(Embedded image moved to file: pic19398.gif)

9mo ATM USDcINRp as of 8/28/13 = \$51k premium vs. \$1mm notional  
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9mo ATM USDcINRp as of 5/20/13 = \$16.6k premium vs. \$1mm notional  
(Embedded image moved to file: pic09185.gif)

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----- Forwarded by Tazia Smith/db/dbcom on 05/20/2014 02:03 PM -----

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From:

Nav Gupta/db/dbcom@DBEMEA

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(Embedded image moved to file: pic15425.jpg)

To:

jeevacation@gmail.com, DBComAdmins@dbcom,

(Embedded image moved to file: pic18681.jpg)

(Embedded image moved to file: pic29018.jpg)

Cc:  
om@DBAMERICAS, [REDACTED]

Tazia Smith/db/dbcom@DBAMERICAS, Paul Morris/db/dbc

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Date:

05/20/2014 01:13 PM

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Subject:  
historical charts

Jeffrey - Two 9month expiry Rupee option trades + h

USDINR - 6 Month History  
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USDINR 12 Month History  
(Embedded image moved to file: pic20880.gif)

Trade 1: 9month expiry vanilla USDINR puts  
Ref spot: USDINR 58.6

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(Embedded image moved to file: pic32224.gif)

Scenario Analysis for Trade 1  
Table shows value of option (as % of notional) on movement in spot, decaying with time  
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Trade 2: Buy a 9month 1% OTM Spot USDINR put and sell a 9m 15% OTM Spot USDINR call for net zero pre  
mia  
Put strike: 58.08, call strike: 67.58  
Ref spot: USDINR 58.6

Scenario Analysis for Trade 2  
Table shows net value of a long put and short call option (as % of notional) on movement in spot, de  
caying with time  
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Nav

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22:18---can you send me a chart of where this has been over the past 6 "jeffrey E." ---20/05/2014 17  
:22:18---can you send me a chart of where this has been over the past 6 months? thaks

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(Embedded image moved to file: pic14711.jpg)

From: "jeffrey E." <jeevacation@gmail.com>

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(Embedded image moved to file: pic06418.jpg)

To: Nav Gupta/db/dbcom@DBEMEA,

(Embedded image moved to file: pic31618.jpg)  
(Embedded image moved to file: pic12342.jpg)

Cc: Vinit Sahni/db/dbcom@DBEMEA, Tazia Smith/db/dbcom@DBAMERICAS, Paul  
Morris/db/dbcom@DBAMERICAS

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Date: 20/05/2014 17:22

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Subject: Re: Jeffrey - Rupee Appreciation - Nav

can you send me a chart of where this has been over the past 6 months? thaks

On Tue, May 20, 2014 at 9:49 AM, Nav Gupta <[REDACTED]> wrote:  
Jeffrey

After pricing lots of possibilities, are two ways i like best to play usdlnr lower

1) buy vanilla European style USDINR puts

Ref spot: 58.67

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This table has 9 offers in %notional: 1m 3m and 6m expiries for spot, spot-1%, spot-2%

Of these I like 6month ATMspot USDINR European style put offered at 1.19%.

The roll in the forwards offsets some of theta which is why the 3mth ATMspot put costs a similar (1.07%) amount

2) Buying vanilla European style out-of-the-money USDINR puts, funded by selling OTM calls on USDINR

6month expiry

spot ref 58.67

Buy USDINR put strike 58.08 (ATMspot -1%)

Sell USDINR call strike 64.18 (ATMspot +9.4%)

Net upfront premia zero

I see from your last msg you want 9months. I'll price those and get back to you.

Nav

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Nav Gupta

Managing Director

Deutsche Bank AG, Filiale London

Deutsche Asset & Wealth Management

105/108 Old Broad St (Pinners Hall), EC2N 1EN London, United Kingdom

Tel. [REDACTED]

Mobile [REDACTED]

Email [REDACTED]

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