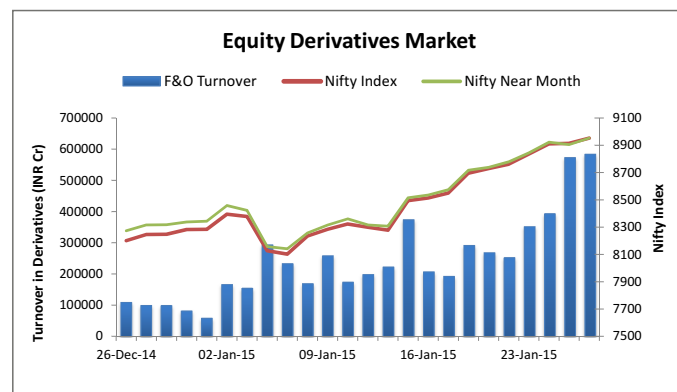
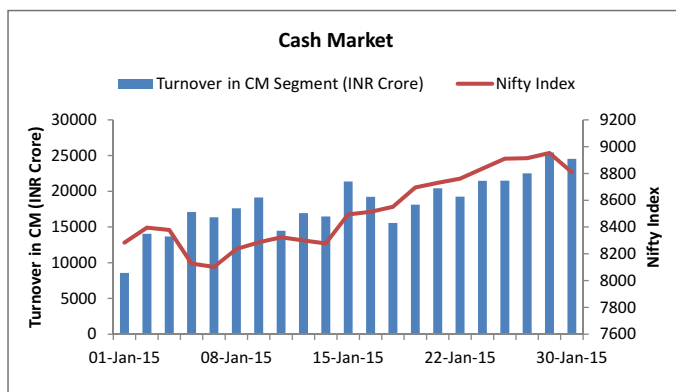


I N D E X

S. No.	Particulars	Page No.
1. OVERVIEW OF EQUITY AND EQUITY DERIVATIVES SEGMENT		
a.	Turnover	2
b.	Index watch	2
c.	Instrument wise growth in turnover	2
d.	Instrument wise turnover breakup	3
e.	Instrument wise volumes trend	3
f.	Instrument wise participant wise turnover	3
g.	Instrument wise participant wise open interest	4
h.	Mode of trading wise turnover	4
i.	Internet based trading turnover trend	5
2. NIFTY FUTURES SPREAD MOVEMENT		5
a.	Nifty futures spread in points	5
b.	Nifty futures spread in % age	5
3. CORRELATION MATRIX		5
4. MOST ACTIVE STOCKS / CONTRACTS		6
a.	Top 5 stocks in cash market based on turnover	6
b.	Top 5 stock futures contracts based on number of contracts traded	6
c.	Top 5 stock options contracts based on no. of contracts traded	6
5. CURRENCY DERIVATIVES		7
a)	Turnover and Open Interest	7
b)	Spread between Currency Pairs on the exchange	7
6. NEW PRODUCTS CORNER		8
a.	NBF II	8
b.	IndiaVIX	8
7. GLOBAL PERSPECTIVE		9
a.	NSE global ranking	9
b.	Top 3 Exchanges in stock futures	9
8. RECORD TURNOVER IN EQUITY DERIVATIVES		9
9. MONTHLY FEATURE		10
	India VIX - Deal confidently with volatility	10

1. OVERVIEW OF EQUITY AND EQUITY DERIVATIVES SEGMENT

a. Turnover



Peak Turnover Rs. 25432 Crore
 Total Traded Quantity 190136 lakhs
 Market Capitalization Rs. 10100218 Crore

Peak Turnover Rs. 580850 Crore
 Peak Nifty Index 8996.60
 Peak Bank Nifty Index 20907.55

b. Index watch

Index	High	Low	Close	Returns#	Standard Deviaton*	P/E	P/B	Div Yield
CNX Nifty	8996.60	8065.45	8808.90	6.4%	18.4%	21.73	3.59	1.24
Bank Nifty	20907.55	18211.50	19843.75	5.9%	25.3%	19.63	3.00	0.94
CNXIT	12003.35	10889.55	11824.75	5.4%	19.2%	21.09	6.54	1.24
Nifty Midcap 50	3529.35	3216.25	3484.30	3.6%	18.9%	16.52	1.80	1.22
CNX Infrastructure	3349.95	2987.15	3294.40	8.4%	20.7%	20.44	2.20	1.12
CNX PSE	3686.10	3442.85	3647.00	2.6%	15.8%	11.51	1.91	3.05
INDIAVIX	21.2100	13.1525	20.1725	33.4%	108.7%	N.A.	N.A.	N.A.

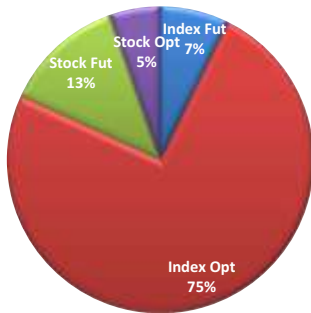
#Absolute returns for the month of January'15 | *Average daily standard deviation during January annualized

c. Instrument wise growth in turnover

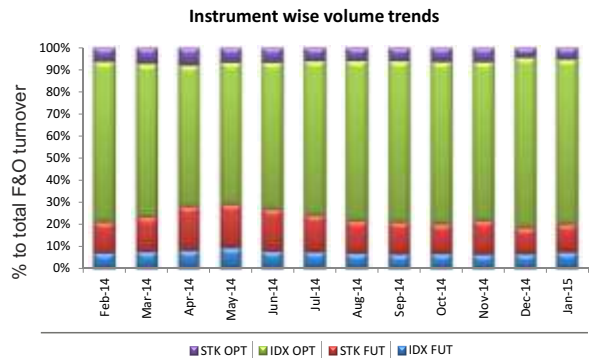
	Daily Average Turnover Rs. Crs				Daily Average Turnover Rs. Crs		
	Jan-15	Jan-14	% Change		Till Jan' 15	Till Jan'14	% Change
Cash Market	18279	11114	64%	Cash Markets	17519	11104	58%
Index Futures	19460	11465	70%	Index Futures	15988	12550	27%
Stock Futures	34033	21097	61%	Stock Futures	33993	19281	76%
Index Options	198326	100900	97%	Index Options	156647	111755	40%
Stock Options	14366	11076	30%	Stock Options	13573	9484	43%
Total EQ Derivatives	266185	144538	84%	Total EQ Derivatives	220201	153069	44%

All figures except percentages are Daily Average Turnover in Rs. Crores

d. Instrument wise turnover breakup



e. Instrument wise volumes trend

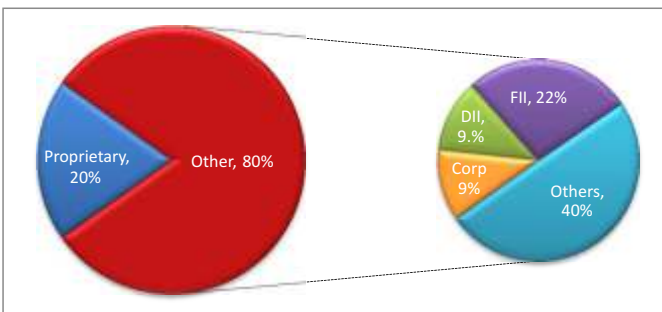


Index derivatives contributed 82% of total equity derivatives turnover.

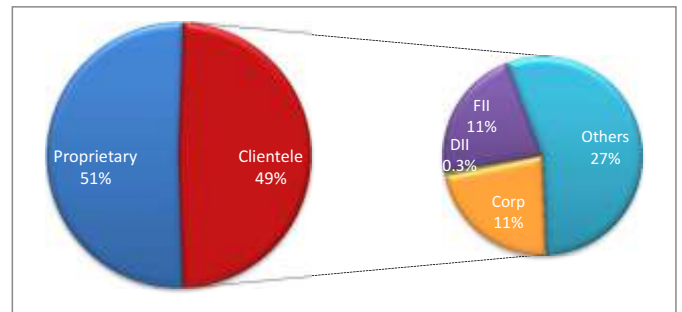
f. Instrument wise participant wise turnover

The participant wise volume breakup charts across the instruments reflect active participation from all classes of participants and is not skewed towards a particular category.

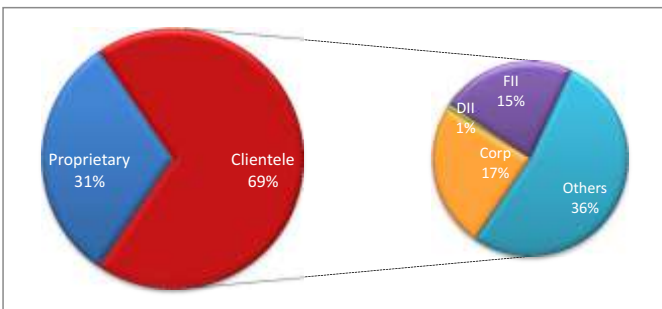
Cash Markets



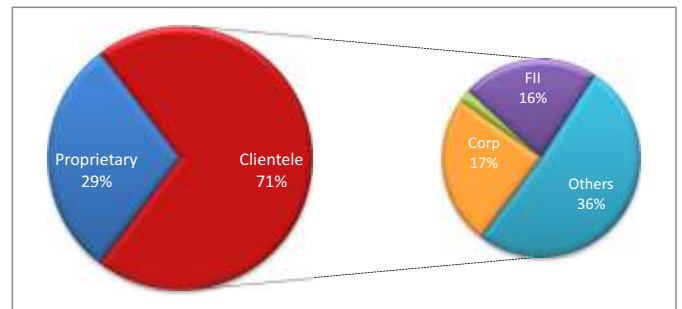
Equity Derivatives



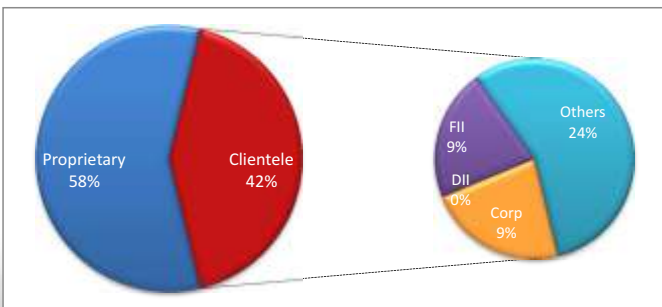
Index Futures



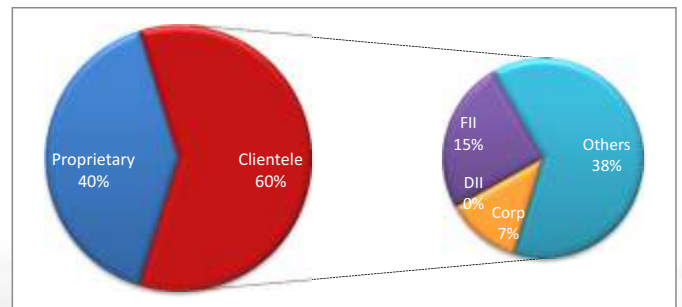
Stock Futures



Index Options



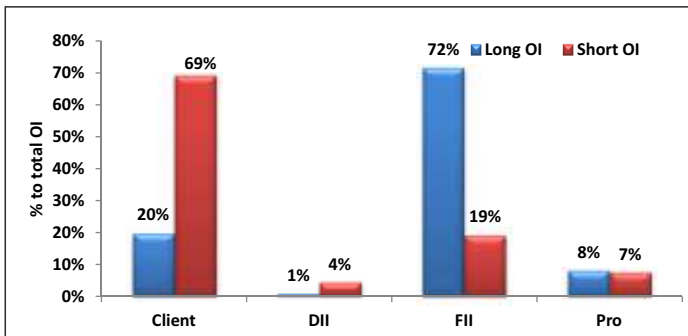
Stock Options



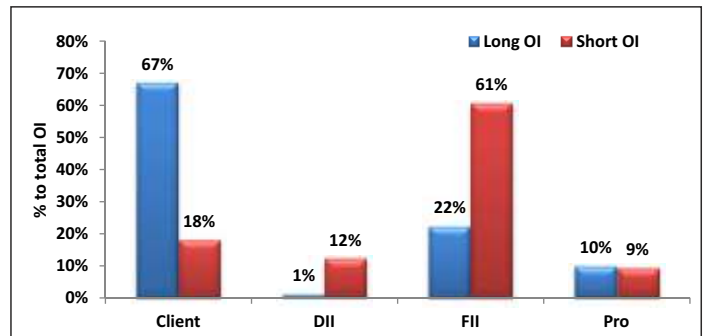
g. Instrument wise participant wise open interest

Instrument wise participant wise open interest as on January 28, 2015, i.e. one day prior to equity derivatives expiry

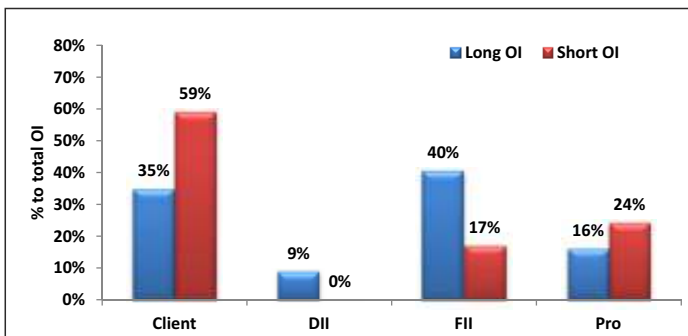
Participant wise OI - Index Futures



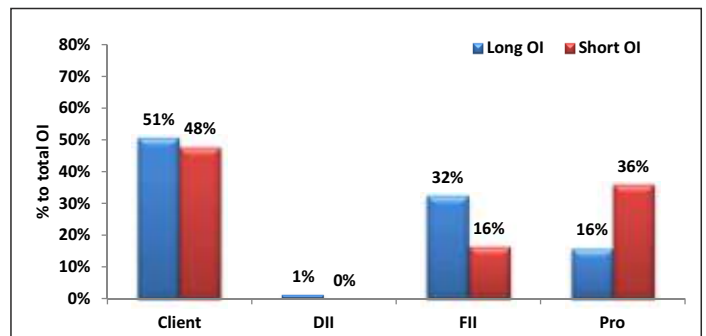
Participant wise OI - Stock Futures



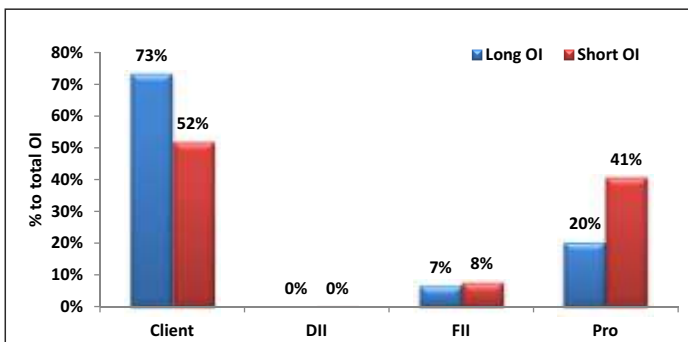
Participant wise OI - Index Calls



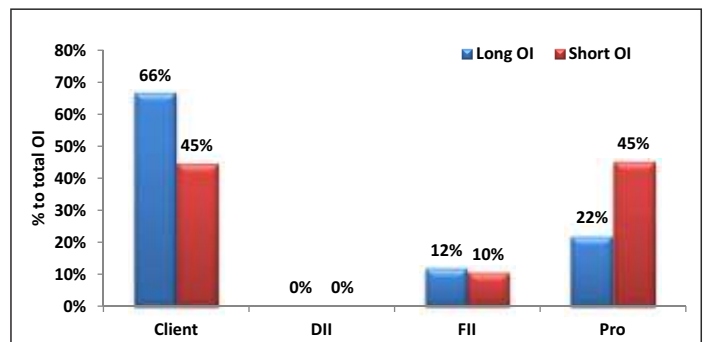
Participant wise OI - Index Puts



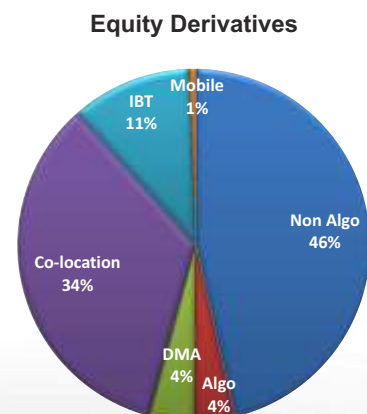
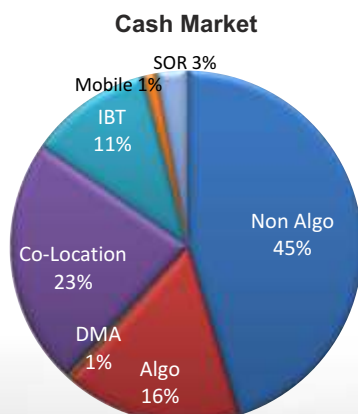
Participant wise OI - Stock Calls



Participant wise OI - Stock Puts

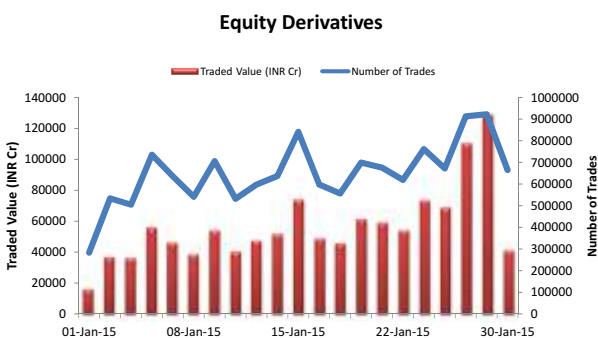
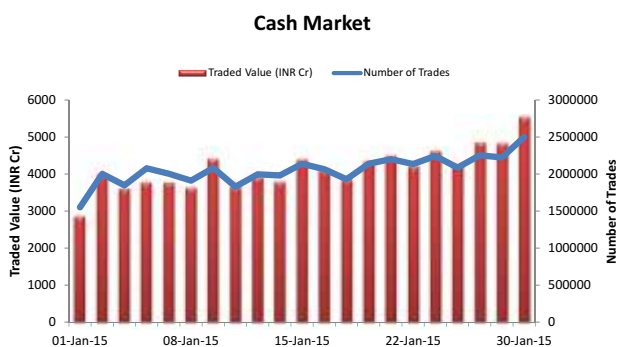


h. Mode of trading wise turnover



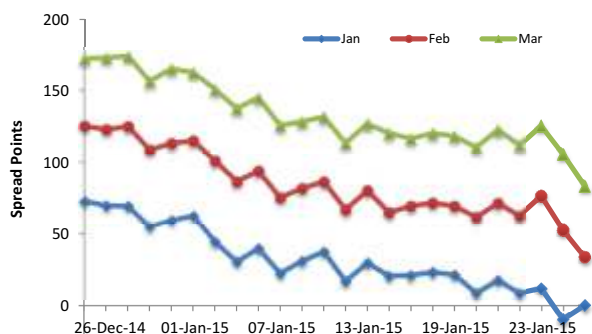
[Back to index](#)

i. Internet based trading turnover trend

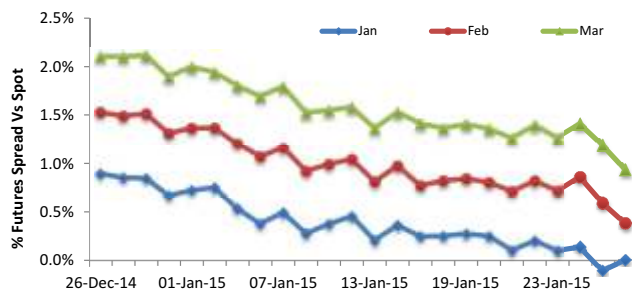


2. NIFTY FUTURES SPREAD MOVEMENT

a. Nifty futures spread in points



b. Nifty futures spread in % age



Nifty future contracts spread in terms of actual points to spot.

3. CORRELATION MATRIX

INDEX	NIFTY	BANK NIFTY	CNX IT	CNX INFRA	CNX PSE	NIFTY MIDCAP 50	VIX
NIFTY	1.00	0.94	0.49	0.76	0.78	0.82	-0.84
BANK NIFTY	0.94	1.00	0.25	0.75	0.65	0.71	-0.72
CNX IT	0.49	0.25	1.00	0.20	0.46	0.51	-0.56
CNX INFRA	0.76	0.75	0.20	1.00	0.65	0.73	-0.76
CNX PSE	0.78	0.65	0.46	0.65	1.00	0.87	-0.73
NIFTY MIDCAP 50	0.82	0.71	0.51	0.73	0.87	1.00	-0.83
VIX	-0.84	-0.72	-0.56	-0.76	-0.73	-0.83	1.00

Correlation based on daily closing returns of the respective index

4. MOST ACTIVE STOCKS / CONTRACTS

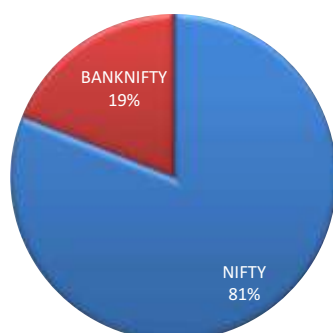
a. Top 5 stocks in cash market based on turnover

Sr. No.	Symbol	Gross Traded Value (Rs. Crs)	% Turnover Contribution
1.	INFY	24233	3.16%
2.	SBIN	19597	2.55%
3.	ICICIBANK	18885	2.46%
4.	HDFC	14786	1.93%
5.	ITC	14189	1.85%

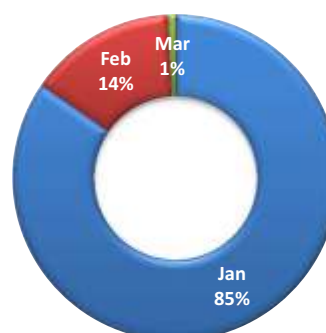
b. Top 5 stock futures contracts based on number of contracts traded

Sr. No	Symbol	No. of Contract traded	Turnover Rs. Crs	% Contribution
1	HDFCBANK	875423	22684	3.2%
2	RELIANCE	824496	18311	2.6%
3	AXISBANK	742928	20300	2.8%
4	SBIN	676225	27049	3.8%
5	TATASTEEL	581844	11547	1.6%

Nifty and Bank Nifty futures volumes



Nifty futures expiry wise trading volume

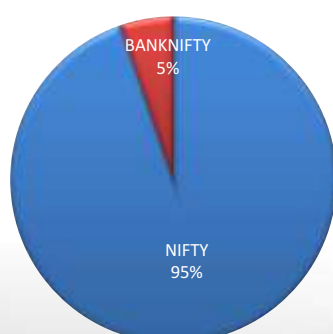


* No. of contracts traded between 26th Dec to 29th Jan

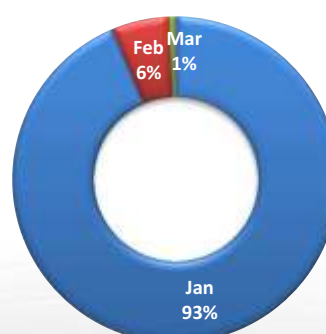
c. Top 5 stock options contracts based on no. of contracts traded

Sr. No	Symbol	No. of Contract traded	Turnover Rs. Crs	% Contribution
1	INFY	692506	36072	12.0%
2	RELIANCE	643990	14479	4.8%
3	AXISBANK	372710	10265	3.4%
4	SBIN	356329	14500	4.8%
5	TATASTEEL	330593	6780	2.3%

Nifty and Bank Nifty volumes in options



Nifty options expiry wise trading volume

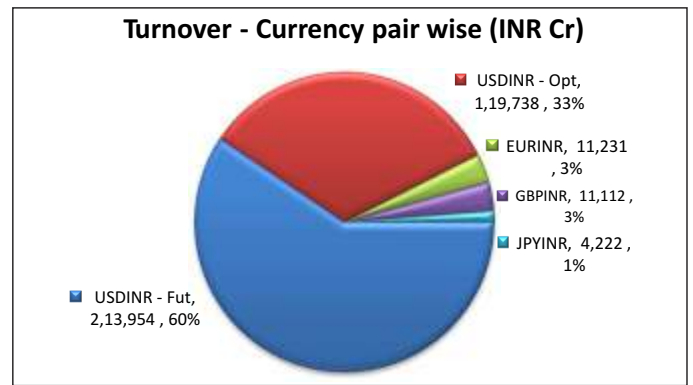
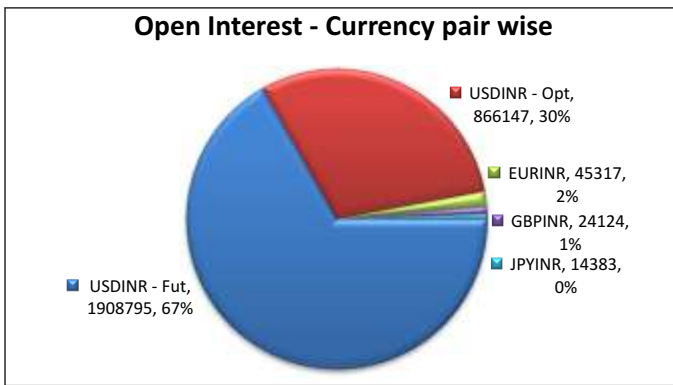
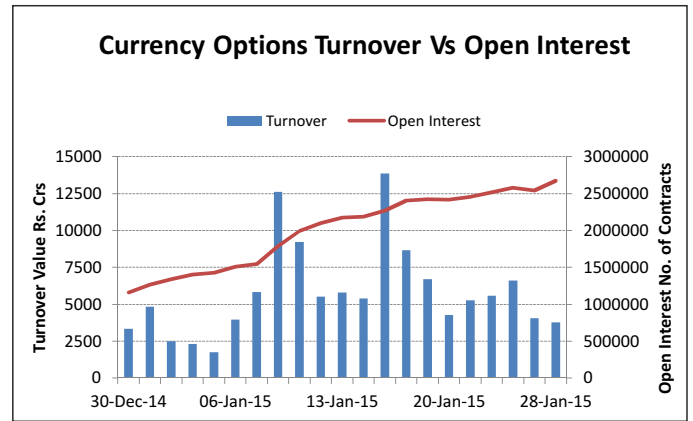
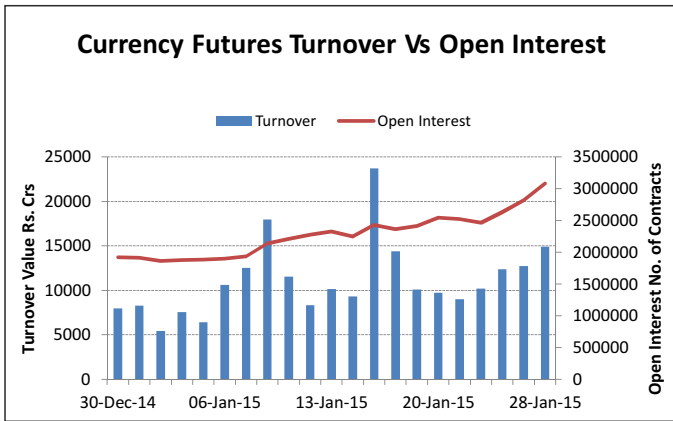


* No. of contracts traded between 26th Dec to 29th Jan

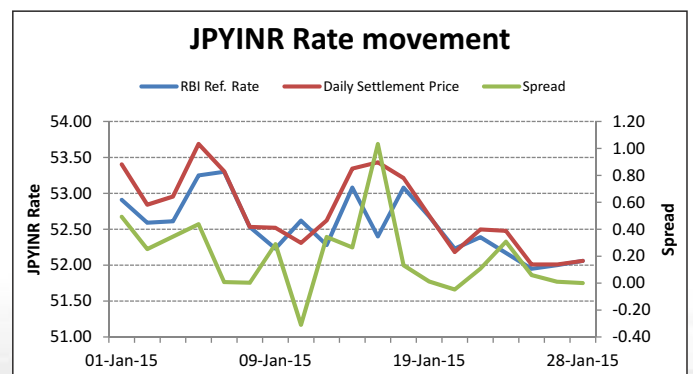
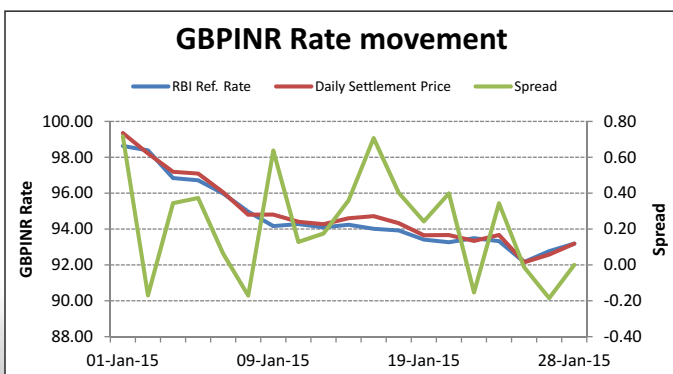
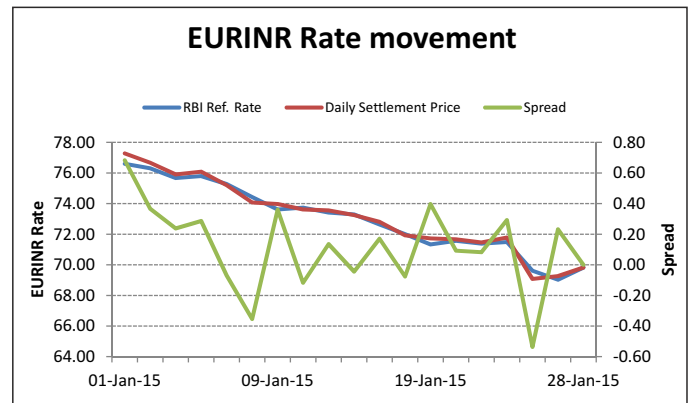
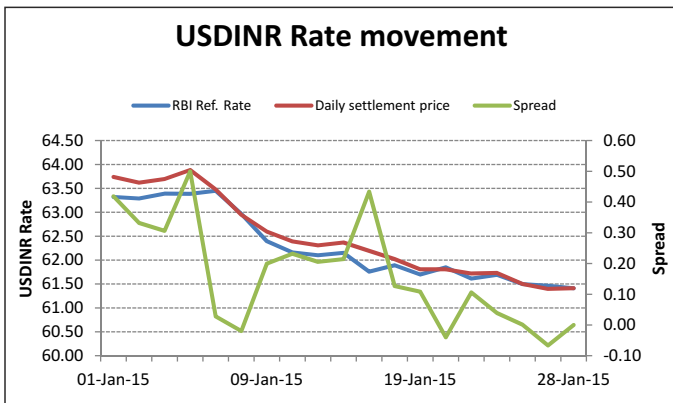
[Back to index](#)

5. CURRENCY DERIVATIVES

a) Turnover and Open Interest



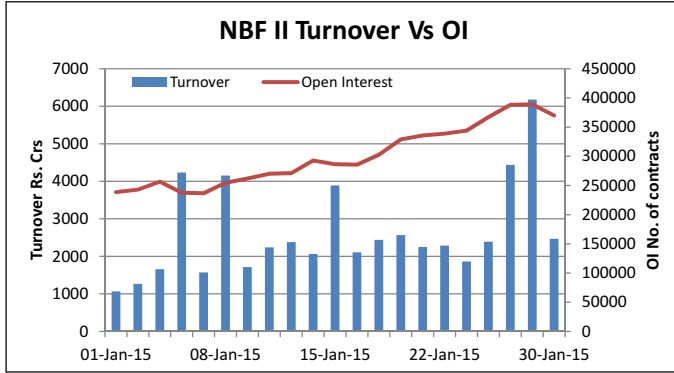
b) Spread between Currency Pairs on the exchange



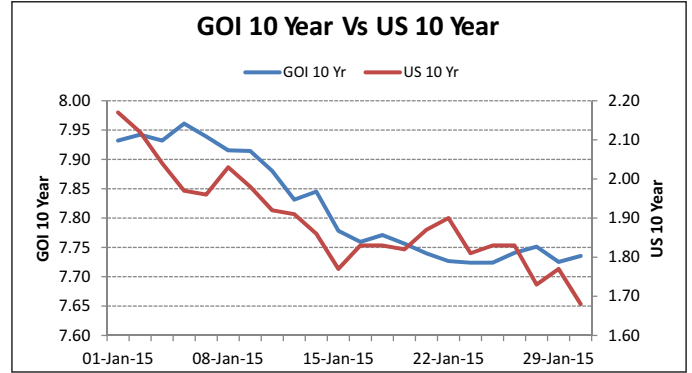
6. NEW PRODUCTS CORNER

a) NBF II

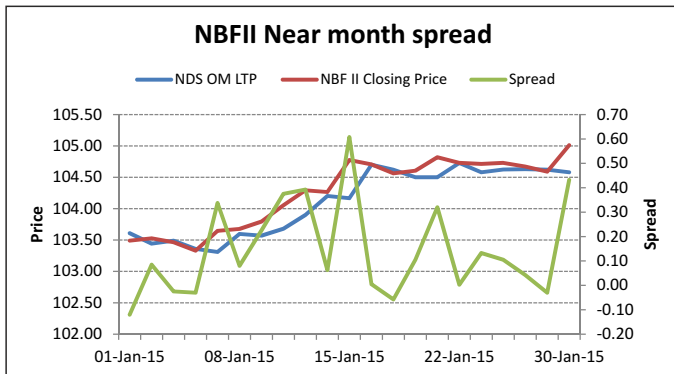
Turnover and Open Interest



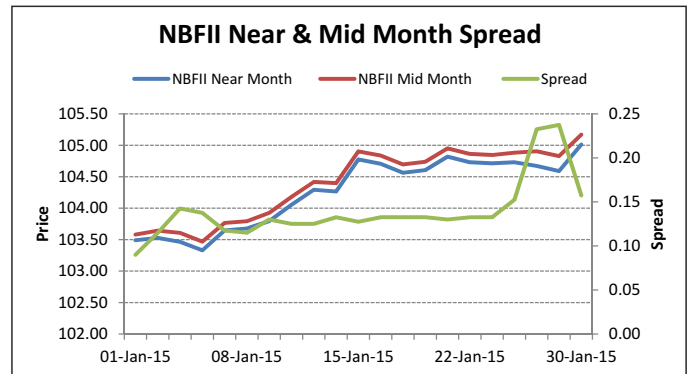
Comparison between 10 Year Treasury bonds



Spread between NBF II and NDS OM

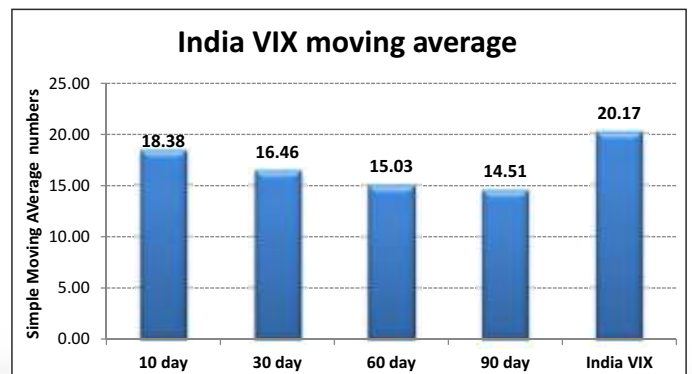
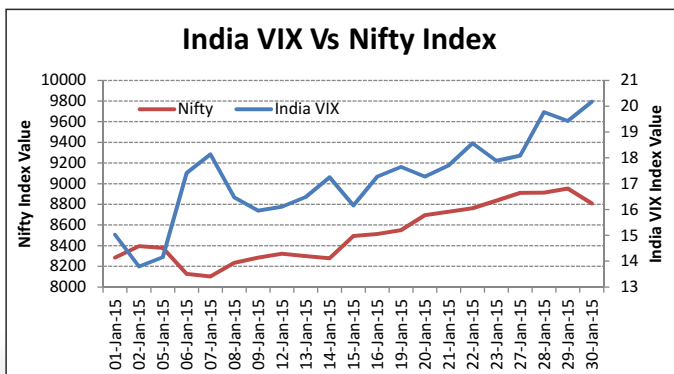


Spread between NBF II near & mid month



b) IndiaVIX

- IndiaVIX closed at 20.17 on January 30, 2015
- IndiaVIX was up by 33.14% over 1 month
- During the month IndiaVIX was in the range of 13.15 to 21.21
- NVIX Futures volume during the month was at Rs.25.5 Crs
- CBOE VIX on January 30, 2015 closed at 20.97



7. GLOBAL PERSPECTIVE

a. NSE global ranking

Instruments*	Jan 14 - Dec 14
Index Options	1
Index Futures	7
Stock Options	8
Stock Futures	2
Currency Options	1
Currency Future	2

Nifty maintained its leadership position in index options category globally.

*Ranking in no. of contracts traded for the period Jan 14' to Dec 14'

Source: WFE website

b. Top 3 Exchanges in stock futures

Turnover

Rank	Name of the Exchange	Turnover
1	National Stock Exchange India	1232740
2	EUREX	635026
3	ICE Futures Europe	270186

Contracts Traded

Rank	Name of the Exchange	No. of Contracts
1	Moscow Exchange	343151338
2	National Stock Exchange India	211004887
3	EUREX	123945312

8. RECORD TURNOVER

Instrument	Turnover Rs. Crs	Date
Cash Market	40152	May 19, 2009
Index Futures	52213	May 16, 2014
Index Options	453562	Dec 24, 2014
Stock Futures	79214	Jan 28, 2015
Stock Options	28002	Apr 12, 2013
F&O Segment	580850	Jan 29, 2015
NBFII	6178	Jan 29, 2015

9. MONTHLY FEATURE
India VIX - Deal confidently with volatility

India VIX indicates the investor's perception of the market's volatility in the near term. From the best bid-ask prices of NIFTY Options contracts, a volatility number (annualised %) is calculated which indicates the expected market volatility over the next 30 calendar days. India VIX uses the computation methodology of CBOE, with suitable amendments to adapt to the NIFTY options order book.

A high India VIX value would suggest that the market expects significant changes in the Nifty, while a low India VIX value would suggest that the market expects minimal change. It has also been observed that historically, a negative correlation exists between the two. Volatility indices like India VIX are often perceived to display mean reverting characteristics by oscillating around a long-term variance.

In the year 2014 the India VIX values were in the range of 11.5 to 37.5. Since India VIX signifies volatility, the values will be computed upto 4 decimal places as market participants may like to analyse impact on prices due to small changes in volatility.

NVIX - Futures on India VIX

Futures on India VIX enable market participants to trade expected future volatility in a single transaction. Investors expecting rising volatility levels may go long, whereas investors expecting decline in volatility may go short. Can be used in hedging equity portfolios. Currently futures on India VIX are available up to 3 weeks expiring every week.

Understanding NVIX futures contract and impact of tick price change

For ease of trading the India VIX futures price shall be quoted as expected India VIX index value X 100. If trader wants to buy 1 contract of India VIX futures at 13.4500, then the price to be quoted shall be `1345.00. The contract value shall be `1008750'. {No. of contracts (1) X Lot size (750) X Quoted price (1345.00)}

The underlying India VIX has a tick value of 0.0025 and the future on India VIX has tick value of 0.25. Using the above example change in 1 tick will have following impact.

	India VIX Value	India VIX Futures Price	Contract Value
Current Price	1338.00	1345.00	₹10,08,750.00
1 tick change	1338.25	1345.25	₹10,08,937.50
Impact	0.0025	0.25	₹187.50

Note: Lot size is as on January 07, 2015. Exchange periodically reviews the lot size depending upon the contract value

Disclaimer:

'NSE Market Pulse' is a newsletter of National Stock Exchange of India. All rights reserved. Redistribution, reproduction and/or photocopying in whole or in part are prohibited without written permission of NSEIL.

The information contained in this document, including text, graphics, links or other information are provided on an 'as is', 'as available' basis. Nothing herein constitutes an offer to sell or a solicitation of an offer to purchase any product listed on NSEIL. NSEIL does not warrant the accuracy, adequacy or completeness of this information and material and expressly disclaims liability for any errors or omissions in this information and material and its interpretation. No warranty of any kind, implied, express or statutory, including but not limited to the warranties of merchantability, fitness for a particular purpose is given in conjunction with the information and materials. The content, accuracy, opinions expressed, and other links provided by these resources are not investigated, verified, monitored, or endorsed by NSEIL. The views contained herein are not to be taken as an advice or recommendation to buy or sell any investment or interest thereto. Reliance upon information in this material is at the sole discretion of the reader. The views and strategies described may not be suitable for all investors. Both past performance and yield may not be a reliable guide to future performance. All case studies are shown for illustrative purposes only and should not be relied upon as advice or interpreted as a recommendation. Results shown are not meant to be representative of actual investment results. Furthermore, whilst it is the intention to achieve the investment objective of the investment product(s), there can be no assurance that those objectives will be met. Investors are advised to consult their Investment and Tax Advisor before taking any investment decision.

In no event will NSEIL be liable for any damages, including without limitation direct or indirect, special, incidental, or consequential damages, losses or expenses arising in connection with this document or its use or inability to use by any party, or in connection with any failure of performance, error, omission, interruption, defect, even if NSEIL, or its representatives, are advised of the possibility of such damages, losses or expenses.

Incase you have any feedback on this reports please feel free to drop a mail to bsankar@nse.co.in.

[Back to index](#)