April 2017 - Monthly Market Review

May prosperity always bloom.
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>MONTHLY FEATURE</td>
<td>1</td>
</tr>
<tr>
<td>2.</td>
<td>Primary Markets</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>a. Capital raised</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b. New listing</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>OVERVIEW OF EQUITY AND EQUITY DERIVATIVES SEGMENT</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>a. Index watch</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>b. Trade statistics and Growth</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>c. Instrument wise turnover breakup</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>d. Instrument wise participant wise turnover</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>e. Instrument wise participant wise open interest</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>f. Internet based trading turnover trend</td>
<td>6</td>
</tr>
<tr>
<td>4.</td>
<td>NIFTY FUTURES SPREADS</td>
<td>6</td>
</tr>
<tr>
<td>5.</td>
<td>INDICES CORRELATION MATRIX</td>
<td>6</td>
</tr>
<tr>
<td>6.</td>
<td>MOST ACTIVE STOCKS / CONTRACTS</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>a. Top 5 stocks in cash market based on turnover</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>b. Top 5 stock futures contracts based on number of contracts traded</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>c. Top 5 stock options contracts based on number of contracts traded</td>
<td>7</td>
</tr>
<tr>
<td>7.</td>
<td>INDEX DERIVATIVE TRADE MIX</td>
<td>7</td>
</tr>
<tr>
<td>8.</td>
<td>CURRENCY DERIVATIVES</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>a. Turnover And Open Interest</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>b. Spread between Currency pairs on the Exchange</td>
<td>8</td>
</tr>
<tr>
<td>9.</td>
<td>NSE BOND FUTURES (TRADE STATISTICS)</td>
<td>9</td>
</tr>
<tr>
<td>10.</td>
<td>INDIA VIX INDEX MOVEMENT</td>
<td>9</td>
</tr>
<tr>
<td>11.</td>
<td>RECORD TURNOVER</td>
<td>9</td>
</tr>
<tr>
<td>12.</td>
<td>GLOBAL PERSPECTIVE</td>
<td>10</td>
</tr>
</tbody>
</table>
Key Highlights of the Report

1. The benchmark index NIFTY 50 appreciated 1.42% in the current month and closed at 9304.05 experiencing a high of 9367.15 and a low of 9075.15

2. During the month the volatility index India VIX depreciated by 12.56% and closed at 10.86 experiencing a high of 12.76 and a low of 9.92

3. The average equity volume was seen at Rs 26,228 Cr vs Rs 17,193 Cr; up by 52.6% on YoY basis.

4. The average equity derivative volume was seen at Rs 83,791 Cr vs Rs 56,289 cr; up by 48.9% on YoY basis.
1. MONTHLY FEATURE

   Download Ref No : NSE/FA/34727  Date : April 25, 2017
   https://www.nseindia.com/content/circulars/FA34727.pdf

2. Introduction of bidding for InvITs under e-IPO Module
   Download Ref No : NSE/CMTR/34736  Date : April 26, 2017
   https://www.nseindia.com/content/circulars/CMTR34736.pdf

3. Introduction of Futures & Options Contracts on 16 additional securities
   Download Ref No : NSE/FAOP/34744 Date : April 27, 2017

4. Transaction charges in the Currency Derivatives Segment
   Download Ref No : NSE/FA/ Date : April 7, 2017
   https://www.nseindia.com/content/circulars/FA34602.pdf

5. Transaction charges in the Equity Options Segment
   Download Ref No : NSE/FA/34601  Date : April 07, 2017
   https://www.nseindia.com/content/circulars/FA34601.pdf

6. Levy of Transaction Charges in the Interest Rate Futures segment
   Download Ref No : NSE/FA/34600  Date : April 7, 2017
   https://www.nseindia.com/content/circulars/FA34600.pdf

2. PRIMARY MARKET STATISTICS

<table>
<thead>
<tr>
<th>Capital raised</th>
<th>Rs Cr</th>
<th>USD Mn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Newly issued shares (IPOs)</td>
<td>43,368.09</td>
<td>67.53</td>
</tr>
<tr>
<td>FPOs</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Public issue of NCDs</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Further Issues (FIs)</td>
<td>863,524.98</td>
<td>1,344.70</td>
</tr>
<tr>
<td>Total</td>
<td>906,893.07</td>
<td>1,412.23</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Symbol</th>
<th>Name of the Company</th>
<th>Series</th>
<th>Date of Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BOHRA</td>
<td>Bohra Industries Limited</td>
<td>SM</td>
<td>31-Mar-2017</td>
</tr>
<tr>
<td>2</td>
<td>SHANKARA</td>
<td>Shankara Building Products Limited</td>
<td>EQ</td>
<td>31-Mar-2017</td>
</tr>
<tr>
<td>3</td>
<td>CREATIVE</td>
<td>Creative peripherals and Distribution Limited</td>
<td>SM</td>
<td>7-Apr-2017</td>
</tr>
<tr>
<td>4</td>
<td>FOCUS</td>
<td>Focus Lighting and Fixtures Limited</td>
<td>SM</td>
<td>10-Apr-2017</td>
</tr>
<tr>
<td>5</td>
<td>DEVIT</td>
<td>Dev Information Technology Limited</td>
<td>SM</td>
<td>12-Apr-2017</td>
</tr>
<tr>
<td>6</td>
<td>ASLIND</td>
<td>ASL Industries Limited</td>
<td>SM</td>
<td>12-Apr-2017</td>
</tr>
<tr>
<td>7</td>
<td>MKPL</td>
<td>M K Proteins Limited</td>
<td>SM</td>
<td>12-Apr-2017</td>
</tr>
<tr>
<td>8</td>
<td>SIKKO</td>
<td>Sikko Industries Limited</td>
<td>SM</td>
<td>12-Apr-2017</td>
</tr>
<tr>
<td>9</td>
<td>PANACHE</td>
<td>Panache Digilife Limited</td>
<td>SM</td>
<td>21-Apr-2017</td>
</tr>
</tbody>
</table>
## 3. OVERVIEW OF EQUITY AND EQUITY DERIVATIVES SEGMENT

### a. Index watch

#### Index Dashboard

<table>
<thead>
<tr>
<th>Index Name</th>
<th>Returns (%)</th>
<th>Volatility (%)</th>
<th>Beta</th>
<th>Correlation R</th>
<th>P/E</th>
<th>P/B</th>
<th>Dividend Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>1M</td>
<td>3M</td>
<td>1 Yr</td>
<td>3 Yr</td>
<td>5 Yr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY 50</td>
<td>1.42</td>
<td>8.68</td>
<td>18.53</td>
<td>11.59</td>
<td>12.13</td>
<td>11.90</td>
<td>1.00</td>
</tr>
<tr>
<td>NIFTY Next 50</td>
<td>4.79</td>
<td>13.08</td>
<td>36.23</td>
<td>24.66</td>
<td>20.82</td>
<td>15.23</td>
<td>1.06</td>
</tr>
<tr>
<td>NIFTY 100</td>
<td>1.96</td>
<td>9.38</td>
<td>21.21</td>
<td>13.52</td>
<td>13.42</td>
<td>12.13</td>
<td>0.91</td>
</tr>
<tr>
<td>NIFTY 200</td>
<td>2.36</td>
<td>10.42</td>
<td>22.92</td>
<td>14.70</td>
<td>13.80</td>
<td>12.34</td>
<td>1.02</td>
</tr>
<tr>
<td>NIFTY 500</td>
<td>2.74</td>
<td>11.32</td>
<td>24.68</td>
<td>16.05</td>
<td>14.48</td>
<td>12.34</td>
<td>1.01</td>
</tr>
<tr>
<td>NIFTY Midcap 150</td>
<td>4.86</td>
<td>17.04</td>
<td>37.91</td>
<td>28.20</td>
<td>21.26</td>
<td>14.23</td>
<td>0.99</td>
</tr>
<tr>
<td>NIFTY Midcap 50</td>
<td>6.27</td>
<td>20.48</td>
<td>40.39</td>
<td>22.64</td>
<td>16.12</td>
<td>18.53</td>
<td>1.25</td>
</tr>
<tr>
<td>NIFTY Full Midcap 100</td>
<td>5.28</td>
<td>18.55</td>
<td>37.25</td>
<td>26.85</td>
<td>19.81</td>
<td>15.82</td>
<td>1.09</td>
</tr>
<tr>
<td>NIFTY Smallcap 250</td>
<td>7.14</td>
<td>20.69</td>
<td>41.93</td>
<td>28.46</td>
<td>20.29</td>
<td>16.16</td>
<td>1.04</td>
</tr>
<tr>
<td>NIFTY Smallcap 50</td>
<td>8.54</td>
<td>24.86</td>
<td>47.04</td>
<td>25.65</td>
<td>17.11</td>
<td>19.74</td>
<td>1.28</td>
</tr>
<tr>
<td>NIFTY Full Smallcap 100</td>
<td>5.28</td>
<td>18.55</td>
<td>37.25</td>
<td>26.85</td>
<td>19.81</td>
<td>15.82</td>
<td>1.09</td>
</tr>
<tr>
<td>NIFTY Smallcap 400</td>
<td>5.63</td>
<td>18.87</td>
<td>39.31</td>
<td>28.25</td>
<td>20.97</td>
<td>14.70</td>
<td>1.01</td>
</tr>
<tr>
<td>NIFTY Free Float Midcap 100</td>
<td>5.17</td>
<td>17.34</td>
<td>37.07</td>
<td>27.22</td>
<td>19.34</td>
<td>15.24</td>
<td>1.03</td>
</tr>
<tr>
<td>NIFTY Free Float Smallcap 100</td>
<td>6.57</td>
<td>18.11</td>
<td>43.10</td>
<td>23.69</td>
<td>16.66</td>
<td>18.20</td>
<td>1.13</td>
</tr>
</tbody>
</table>

#### Thematic Indices

<table>
<thead>
<tr>
<th>Index Name</th>
<th>1 Yr Volatility (%)</th>
<th>1 Yr Beta</th>
<th>Correlation R</th>
<th>P/E</th>
<th>P/B</th>
<th>Dividend Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIFTY Commodities</td>
<td>3.21</td>
<td>-12.68</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY India Consumption</td>
<td>5.28</td>
<td>14.99</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Infrastructure</td>
<td>2.72</td>
<td>-8.33</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY MNC</td>
<td>5.12</td>
<td>10.74</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY PSE</td>
<td>2.41</td>
<td>7.81</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Services Sector</td>
<td>5.13</td>
<td>4.83</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY500 Liquid</td>
<td>2.89</td>
<td>6.99</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Midcap Liquid</td>
<td>7.38</td>
<td>23.68</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Aditya Bird Group</td>
<td>6.36</td>
<td>10.23</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Mahindra Group</td>
<td>1.42</td>
<td>6.51</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Tata Group</td>
<td>-4.20</td>
<td>1.24</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Tata Group 25% Cap</td>
<td>-2.77</td>
<td>1.01</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Shahid 25</td>
<td>2.72</td>
<td>-9.70</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY50 Sharish</td>
<td>2.77</td>
<td>12.24</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY50 Sharish</td>
<td>3.63</td>
<td>13.40</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Strategy Indices

<table>
<thead>
<tr>
<th>Index Name</th>
<th>1 Yr Volatility (%)</th>
<th>1 Yr Beta</th>
<th>Correlation R</th>
<th>P/E</th>
<th>P/B</th>
<th>Dividend Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIFTY Equal Weight</td>
<td>2.72</td>
<td>9.05</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Alpha 50</td>
<td>5.03</td>
<td>17.03</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Dividend Opportunities</td>
<td>0.58</td>
<td>6.81</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY High Beta 50</td>
<td>8.17</td>
<td>22.32</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Low Volatility 50</td>
<td>2.24</td>
<td>10.06</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Low Volatility 30</td>
<td>1.40</td>
<td>8.07</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Quality 30</td>
<td>-1.23</td>
<td>4.48</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Value 50</td>
<td>-0.49</td>
<td>7.29</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Growth Sectors 15</td>
<td>1.89</td>
<td>8.07</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY50 PR 1x Inverse</td>
<td>-1.00</td>
<td>8.63</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY50 PR 2x Inverse</td>
<td>-1.00</td>
<td>7.06</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY50 TR 1x Inverse</td>
<td>2.34</td>
<td>18.62</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY50 TR 2x Inverse</td>
<td>0.21</td>
<td>9.05</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY 50 Arbitrage</td>
<td>1.25</td>
<td>7.82</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY50 USD</td>
<td>2.95</td>
<td>15.37</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Sectoral Indices

<table>
<thead>
<tr>
<th>Index Name</th>
<th>1 Yr Volatility (%)</th>
<th>1 Yr Beta</th>
<th>Correlation R</th>
<th>P/E</th>
<th>P/B</th>
<th>Dividend Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIFTY Auto</td>
<td>3.79</td>
<td>4.24</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Bank</td>
<td>4.26</td>
<td>14.57</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Financial Services</td>
<td>3.80</td>
<td>14.51</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY FMCG</td>
<td>0.57</td>
<td>8.44</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY IT</td>
<td>-0.70</td>
<td>-11.19</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Media</td>
<td>2.46</td>
<td>17.31</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Metal</td>
<td>-3.94</td>
<td>-31.88</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Pharma</td>
<td>-2.79</td>
<td>-13.13</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Private Bank</td>
<td>4.28</td>
<td>13.78</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY PSU Bank</td>
<td>3.76</td>
<td>15.32</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIFTY Realty</td>
<td>16.79</td>
<td>19.82</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© Returns upto one year are absolute returns. Returns for greater than one year are CAGR returns.

- Volatility (Average daily standard deviation normalized).
- Beta, Correlation & R for 1 year period.
- P/E, P/B & Dividend Yield as on April 28, 2017
- Returns of NIFTY50 inverse, NIFTY50 Leveraged and fixed income indices are not considered to identify the highest gainer and loser in the table above.
b. Trade statistics and Growth

**Cash Market**

![Chart showing Turnover vs. NIFTY50 Index]

**Rs.26228 Crore**

*Average Daily Turnover for Apr 2017*

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Apr-17</th>
<th>Apr-16</th>
<th>YOY Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Average T/O Rs Cr.</td>
<td>26228</td>
<td>17193</td>
<td>52.6%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Apr-17</th>
<th>Mar-17</th>
<th>MOM Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily Average T/O Rs Cr.</td>
<td>26228</td>
<td>25284</td>
<td>3.7%</td>
</tr>
</tbody>
</table>

**Equity Derivatives Market**

![Chart showing Turnover vs. NIFTY50 Index]

**Rs. 83791 Crore**

*Average Daily Turnover for April 2017*

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Apr-17</th>
<th>Apr-16</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index Futures</td>
<td>17477</td>
<td>18524</td>
<td>-5.7%</td>
</tr>
<tr>
<td>Stock Futures</td>
<td>64482</td>
<td>35978</td>
<td>79.2%</td>
</tr>
<tr>
<td>Index Options*</td>
<td>1280</td>
<td>1512</td>
<td>-15.4%</td>
</tr>
<tr>
<td>Stock Options*</td>
<td>552</td>
<td>274</td>
<td>101.2%</td>
</tr>
<tr>
<td>Total</td>
<td>83791</td>
<td>56289</td>
<td>48.9%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Apr-17</th>
<th>Mar-17</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index Futures</td>
<td>17477</td>
<td>15818</td>
<td>10.5%</td>
</tr>
<tr>
<td>Stock Futures</td>
<td>64482</td>
<td>52188</td>
<td>23.6%</td>
</tr>
<tr>
<td>Index Options*</td>
<td>1280</td>
<td>1253</td>
<td>2.2%</td>
</tr>
<tr>
<td>Stock Options*</td>
<td>552</td>
<td>417</td>
<td>32.5%</td>
</tr>
<tr>
<td>Total</td>
<td>83791</td>
<td>69675</td>
<td>20.3%</td>
</tr>
</tbody>
</table>

* Premium Turnover
Index derivatives contributed 22.38% of total equity derivatives turnover.

d. Instrument wise participant wise turnover
The participant wise volume breakup charts reflect active participation from all classes of participants across all instruments.
e. Instrument wise participant wise open interest - as on Apr 26, 2017, 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
f. Internet based trading turnover trend

**Cash Market**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Trades</th>
<th>Traded Value (INR Cr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>8000</td>
<td>120000</td>
</tr>
<tr>
<td>Feb</td>
<td>8500</td>
<td>130000</td>
</tr>
<tr>
<td>Mar</td>
<td>9000</td>
<td>140000</td>
</tr>
<tr>
<td>Apr</td>
<td>9500</td>
<td>150000</td>
</tr>
<tr>
<td>May</td>
<td>10000</td>
<td>160000</td>
</tr>
<tr>
<td>Jun</td>
<td>10500</td>
<td>170000</td>
</tr>
<tr>
<td>Jul</td>
<td>11000</td>
<td>180000</td>
</tr>
<tr>
<td>Aug</td>
<td>11500</td>
<td>190000</td>
</tr>
<tr>
<td>Sep</td>
<td>12000</td>
<td>200000</td>
</tr>
<tr>
<td>Oct</td>
<td>12500</td>
<td>210000</td>
</tr>
<tr>
<td>Nov</td>
<td>13000</td>
<td>220000</td>
</tr>
<tr>
<td>Dec</td>
<td>13500</td>
<td>230000</td>
</tr>
</tbody>
</table>

- **Peak Turnover (Rs Cr.):** 8115.89
- **Average Traded value (Rs Cr.):** 7241.69

**Equity Derivatives**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Trades</th>
<th>Traded Value (INR Cr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>8000</td>
<td>120000</td>
</tr>
<tr>
<td>Feb</td>
<td>8500</td>
<td>130000</td>
</tr>
<tr>
<td>Mar</td>
<td>9000</td>
<td>140000</td>
</tr>
<tr>
<td>Apr</td>
<td>9500</td>
<td>150000</td>
</tr>
<tr>
<td>May</td>
<td>10000</td>
<td>160000</td>
</tr>
<tr>
<td>Jun</td>
<td>10500</td>
<td>170000</td>
</tr>
<tr>
<td>Jul</td>
<td>11000</td>
<td>180000</td>
</tr>
<tr>
<td>Aug</td>
<td>11500</td>
<td>190000</td>
</tr>
<tr>
<td>Sep</td>
<td>12000</td>
<td>200000</td>
</tr>
<tr>
<td>Oct</td>
<td>12500</td>
<td>210000</td>
</tr>
<tr>
<td>Nov</td>
<td>13000</td>
<td>220000</td>
</tr>
<tr>
<td>Dec</td>
<td>13500</td>
<td>230000</td>
</tr>
</tbody>
</table>

- **Peak Turnover (Rs Cr.):** 322278.41
- **Average Traded Quantity (Rs Cr.):** 151325.54

4. **NIFTY FUTURES SPREADS**

**Nifty futures spread in points**

- Spread Spot Vs NM
- Spread NM Vs MM
- Spread NM Vs FM

**Nifty futures spread in % ge**

- % Futures Spread Vs Spot
- % Futures Spread Vs NM
- % Futures Spread Vs MM
- % Futures Spread Vs FM

5. **INDICES CORRELATION MATRIX**

<table>
<thead>
<tr>
<th>INDEX</th>
<th>NIFTY50</th>
<th>NIFTY BANK</th>
<th>NIFTY IT</th>
<th>NIFTY INFRA</th>
<th>NIFTY PSE</th>
<th>NIFTY MIDCAP 50</th>
<th>INDIA VIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIFTY50</td>
<td>100%</td>
<td>75%</td>
<td>44%</td>
<td>70%</td>
<td>7%</td>
<td>61%</td>
<td>-31%</td>
</tr>
<tr>
<td>NIFTY BANK</td>
<td>75%</td>
<td>100%</td>
<td>14%</td>
<td>39%</td>
<td>12%</td>
<td>42%</td>
<td>-10%</td>
</tr>
<tr>
<td>NIFTY IT</td>
<td>44%</td>
<td>14%</td>
<td>100%</td>
<td>36%</td>
<td>11%</td>
<td>40%</td>
<td>-30%</td>
</tr>
<tr>
<td>NIFTY INFRA</td>
<td>70%</td>
<td>39%</td>
<td>36%</td>
<td>100%</td>
<td>33%</td>
<td>58%</td>
<td>-43%</td>
</tr>
<tr>
<td>NIFTY PSE</td>
<td>7%</td>
<td>12%</td>
<td>11%</td>
<td>33%</td>
<td>100%</td>
<td>27%</td>
<td>-33%</td>
</tr>
<tr>
<td>NIFTY MIDCAP 50</td>
<td>61%</td>
<td>42%</td>
<td>40%</td>
<td>58%</td>
<td>27%</td>
<td>100%</td>
<td>-61%</td>
</tr>
<tr>
<td>INDIA VIX</td>
<td>-31%</td>
<td>-10%</td>
<td>-30%</td>
<td>-43%</td>
<td>-33%</td>
<td>-61%</td>
<td>100%</td>
</tr>
</tbody>
</table>

Correlation based on daily closing returns of the respective index
6. MOST ACTIVE STOCKS / CONTRACTS

a. Top 5 stocks in cash market based on turnover

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Symbol</th>
<th>Gross Traded Quantity (Lacs)</th>
<th>Gross Traded Value (Cr)</th>
<th>% Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RELIANCE</td>
<td>1034</td>
<td>14485</td>
<td>3.07%</td>
</tr>
<tr>
<td>2</td>
<td>IBREALEST</td>
<td>7290</td>
<td>9606</td>
<td>2.04%</td>
</tr>
<tr>
<td>3</td>
<td>AXISBANK</td>
<td>1594</td>
<td>8049</td>
<td>1.71%</td>
</tr>
<tr>
<td>4</td>
<td>ICICIBANK</td>
<td>2680</td>
<td>7454</td>
<td>1.58%</td>
</tr>
<tr>
<td>5</td>
<td>SBIN</td>
<td>2454</td>
<td>7094</td>
<td>1.50%</td>
</tr>
</tbody>
</table>

b. Top 5 stock futures contracts based on turnover

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Symbol</th>
<th>No of Contracts</th>
<th>Turnover (Rs Cr)</th>
<th>% Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RELIANCE</td>
<td>517755</td>
<td>36383</td>
<td>3.13%</td>
</tr>
<tr>
<td>2</td>
<td>SBIN</td>
<td>330865</td>
<td>28747</td>
<td>2.48%</td>
</tr>
<tr>
<td>3</td>
<td>HDFCBANK</td>
<td>370253</td>
<td>27912</td>
<td>2.40%</td>
</tr>
<tr>
<td>4</td>
<td>TATASTEEL</td>
<td>260363</td>
<td>24400</td>
<td>2.10%</td>
</tr>
<tr>
<td>5</td>
<td>YESBANK</td>
<td>220587</td>
<td>24020</td>
<td>2.07%</td>
</tr>
</tbody>
</table>

c. Top 5 stock options contracts based on turnover

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Symbol</th>
<th>No of Contracts</th>
<th>Premium Turnover (Rs Cr)</th>
<th>% Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RELIANCE</td>
<td>948462</td>
<td>834</td>
<td>9.70%</td>
</tr>
<tr>
<td>2</td>
<td>SBIN</td>
<td>402011</td>
<td>370</td>
<td>5.10%</td>
</tr>
<tr>
<td>3</td>
<td>YESBANK</td>
<td>296923</td>
<td>294</td>
<td>4.69%</td>
</tr>
<tr>
<td>4</td>
<td>MARUTI</td>
<td>305642</td>
<td>241</td>
<td>4.18%</td>
</tr>
<tr>
<td>5</td>
<td>TATASTEEL</td>
<td>276582</td>
<td>325</td>
<td>3.80%</td>
</tr>
</tbody>
</table>

7. INDICES DERIVATIVE TRADE MIX

Index futures

Index Options

Nifty futures expiry wise trading volume

Nifty options expiry wise trading volume

* No. of contracts traded between 30 Mar 2017 to 28 Apr 2017
8. CURRENCY DERIVATIVES

a) Turnover and Open Interest

**Currency Futures Turnover vs OI**

- Turnover vs OI for Currency Futures
- Open Interest (Contracts lacs)

**Currency Options Turnover vs OI**

- Premium Turnover in Rs Crs
- Open Interest (Contracts lacs)

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Daily Average Turnover Rs. Crs</th>
<th>Apr-17</th>
<th>Apr-16</th>
<th>YOY Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDS Futures</td>
<td></td>
<td></td>
<td></td>
<td>-22.17%</td>
</tr>
<tr>
<td></td>
<td>Apr-17</td>
<td>10065.87</td>
<td>12933.64</td>
<td>-22.17%</td>
</tr>
<tr>
<td></td>
<td>Apr-17</td>
<td>10,065.87</td>
<td>9236.87</td>
<td>8.97%</td>
</tr>
</tbody>
</table>

**Currency pair wise open interest**

- USDINR 96.56%
- EURINR 2.02%
- GBPINR 1.05%
- JPYINR 0.37%

**Currency pair wise turnover**

- USDINR 87.48%
- EURINR 4.42%
- GBPINR 6.19%
- JPYINR 1.90%

b) Spread between Currency pairs on the Exchange

**USDINR Rate Movement**

- USDINR Rate vs SPREAD

**GBPINR Rate Movement**

- GBPINR Rate vs SPREAD

**EURINR Rate Movement**

- EURINR Rate vs SPREAD

**JPYINR Rate Movement**

- JPYINR Rate vs SPREAD

*Premium Turnover
9. NSE BOND FUTURES II (TRADE STATISTICS)

Turnover and Open Interest

![NBF II Turnover Vs OI Graph]

- **NBF II Turnover Vs OI**

- **Turnover Rs. Crs**
  - 70,000
  - 120,000
  - 170,000
  - 220,000
  - 270,000
- **OI Contracts**
  - 0
  - 500
  - 1000
  - 1500
  - 2000
  - 2500
  - 3000
  - 3500

**Rs. 1824 Crore**

Average Daily Turnover for Apr 2017

10. INDIA VIX INDEX MOVEMENT

![NIFTY 50 V/S INDIA VIX Graph]

- **HIGH 12.76**
- **LOW 9.92**
- **CLOSE 10.86**

11. RECORD TURNOVER

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Notional Turnover Rs. Crs</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index Futures</td>
<td>58105.67</td>
<td>29, September, 2016</td>
</tr>
<tr>
<td>Stock Futures</td>
<td>138017.77</td>
<td>29, September, 2016</td>
</tr>
<tr>
<td>Index Options</td>
<td>856797.02</td>
<td>29, September, 2016</td>
</tr>
<tr>
<td>Stock Options</td>
<td>62304.69</td>
<td>27, April, 2017</td>
</tr>
<tr>
<td>F&amp;O Segment</td>
<td>1101765.21</td>
<td>29, September, 2016</td>
</tr>
<tr>
<td>Equity Turnover</td>
<td>45012.36</td>
<td>29, September, 2016</td>
</tr>
</tbody>
</table>
12. GLOBAL PERSPECTIVE

b. Top 3 Exchanges in Stock futures Contracts

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name of the Exchange</th>
<th>No. of Contracts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Moscow Exchange</td>
<td>218890247</td>
</tr>
<tr>
<td>2</td>
<td>National Stock Exchange of India</td>
<td>146007417</td>
</tr>
<tr>
<td>3</td>
<td>Korea Exchange</td>
<td>140448446</td>
</tr>
</tbody>
</table>

c. Top 3 Exchanges in Index options

<table>
<thead>
<tr>
<th>Rank</th>
<th>Name of the Exchange</th>
<th>No. of Contracts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>National Stock Exchange of India</td>
<td>832629575</td>
</tr>
<tr>
<td>2</td>
<td>Chicago Board Options Exchange</td>
<td>353823432</td>
</tr>
<tr>
<td>3</td>
<td>EUREX</td>
<td>318799727</td>
</tr>
</tbody>
</table>

d. NSE’s contribution to Global Trade

<table>
<thead>
<tr>
<th>Instruments</th>
<th>Ranking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Index Options</td>
<td>1</td>
</tr>
<tr>
<td>Index Futures</td>
<td>8</td>
</tr>
<tr>
<td>Stock Options</td>
<td>9</td>
</tr>
<tr>
<td>Stock Futures</td>
<td>2</td>
</tr>
<tr>
<td>Currency Options</td>
<td>1</td>
</tr>
<tr>
<td>Currency Futures</td>
<td>2</td>
</tr>
</tbody>
</table>

Nifty maintained its leadership position in index options category globally

*Ranking in no. of contracts traded till YTD basis

Source: WFE website as on Sep 2016

Disclaimer:


Any securities referred to herein have not been and will not be registered under the U.S. Securities Act of 1933, as amended (the “Securities Act”), and may not be offered or sold in the United States absent registration or an exemption from registration under the Securities Act. There is no intention to register any securities referred to herein in the United States or to make a public offering of the securities in the United States.”

In case you have any feedback on this report please feel free to drop a mail to feedback@nse.co.in.