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CAPITAL MARKET REVIEW

I. Trends in Primary Market

A. Public and Rights Issues

Resource mobilisation through primary securities market witnessed slowdown during April 2017 compared to the previous month. During April 2017, the primary market witnessed 12 equity issues that mobilised ₹3,200 crore compared to 30 equity issues in March 2017 that raised

₹4,610 crore. Out of the total equity issues in April 2017, there were 10 public issues, out of which nine were initial public offerings (IPOs) of equity that mobilised ₹864 crore and one debt issue that mobilised ₹1,969 crore. There were two right issues that mobilised ₹368 crore.

Exhibit 1: Primary Market Trends (Public & Rights Issues)

Items	Apr-17		Mar-17		2017-18\$		2016-17\$	
	No. of Issues	Amount (₹ crore)	No. of Issues	Amount (₹ crore)	No. of Issues	Amount (₹ crore)	No. of Issues	Amount (₹ crore)
1	2	3	4	5	6	7	8	9
a. Public Issues	10	2,833	26	3,223	10	2,833	5	3,572
(i) Debt	1	1,969	0	0	1	1,969	0	0
(ii) Equity, of which								
IPOs	9	864	26	3,223	9	864	5	3,572
FPOs	0	0	0	0	0	0	0	0
b. Rights Issues	2	368	4	1,387	2	368	0	0
Total Equity Issues a(ii)+b	11	1,232	30	4,610	11	1,232	5	3,572
Grand Total (a+b)	12	3,200	30	4,610	12	3,200	5	3,572

Notes:

1. IPOs - Initial Public Offers, FPOs - Follow on Public Offers
 2. Amount raised through debt issues for the last two months are provisional.
- \$ denotes as at the end of April of the respective years

B. Private Placement

1. QIPs Listed at BSE and NSE

Qualified Institutional Placement (QIP) is an alternative mode of resource raising available for listed companies to raise funds from domestic market. In a QIP, a listed issuer issues equity shares or non-convertible debt instruments along with warrants and convertible securities other than

warrants to Qualified Institutional Buyers only. In April 2017, ₹ 5,206.65 crore was mobilised through five QIP issues compared to ₹ 3,627.49 crore mobilised through one QIP issue in the previous month (*Table 10*).

2. Preferential Allotments Listed at BSE and NSE

Preferential allotment also serves as an alternative mechanism of resource mobilization wherein a listed issuer issues shares or convertible securities to a select group of persons. There were 41 preferential allotments

(amounting to ₹1,835 crore) listed at BSE and NSE together during April 2017, compared to 52 preferential allotments (amounting to ₹4,170 crore) listed during March 2017 (*Table 11*).

3. Private Placement of Corporate Debt

Private placement mechanism dominates the resource mobilization through corporate bonds. During the month under review, ₹63,819 crore was raised through private placement of 301 issues in the corporate bond market. On the other hand, ₹ 1,969 crore was raised through one public debt issue during April 2017 (*Table 12 and*

Exhibit 1A).

Further, in April 2017, the total amount mobilised through public issues and private placement of both debt and equity combined stood at ₹74,060 crore as compared to ₹98,041 crore in March 2017.

Exhibit 1A: Total Resources Mobilised by Corporate Sector (₹ crore)

Month	Equity Issues			Debt Issues			Total Resource Mobilisation (4+7)
	Public & Rights	Private Placements	Total (2+3)	Public	Private Placements	Total (5+6)	
1	2	3	4	5	6	7	8
2016-17	32,517	52,614	85,132	29,363	6,40,715	6,70,077	7,55,209
2017-18\$	1,232	7,041	8,273	1,969	63,819	65,787	74,060
Apr-17	1,232	7,041	8,273	1,969	63,819	65,787	74,060

Notes: 1. Private placement of Equity includes, amount raised through Preferential allotments, QIP and IPP mechanism
 2. Public Equity Issues includes Public & Rights issues of common equity shares
 \$ indicates as on the last day of April 2017
 Source: SEBI.

II. Resource Mobilisation by Mutual Funds

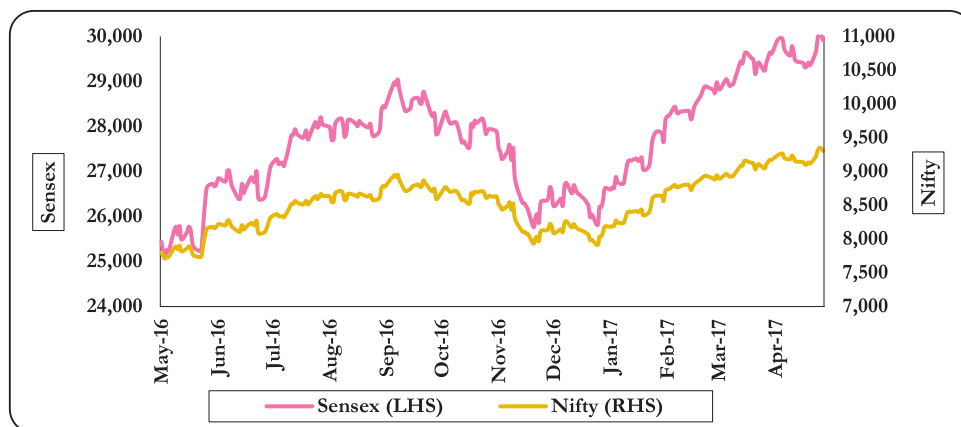
In April 2017, there were net inflow of ₹ 1,50,703 crore into mutual funds, of which ₹ 1,27,588 crore was into private sector mutual funds and ₹ 23,115 crore was into public sector mutual funds. During the month under review income / debt oriented schemes recorded net inflow of ₹1,33,788 crore and growth / equity oriented schemes and balanced schemes recorded net inflow of ₹9,429 crore and ₹ 7,136 crore, respectively. Exchange Traded Funds witnessed a net inflow of ₹ 391 crore out of which there

was a net outflow of ₹ 65 crore from Gold ETFs and a net inflow of ₹ 456 crore in other ETFs. The Fund of funds schemes investing overseas registered net outflow of ₹ 40 crore. The cumulative net assets under management by all mutual funds increased by 9.8 per cent to ₹ 19,26,302 crore at the end of April 2017 from ₹ 17,54,619 crore at the end of March 2017 (*Tables 52 & 54*).

III. Trends in the Secondary Market

The Indian stock market witnessed moderate gain during April 2017. At the end of April 2017, S&P BSE Sensex closed at 29918.4 witnessing a 1.0 per cent gain over its last month's closing at 29620.50. The Nifty 50 also increased by 3.8 per cent to close at 9304.1 at the end of April 2017

compared to previous month's closing at 9173.8 (*Figure 1*). S&P BSE Sensex and Nifty 50 touched their intraday highs of 30184.22 and 9367.15 respectively on April 27, 2017. Both Sensex and Nifty touched their intraday lows of 29241.48 and 9075.15 respectively on April 19, 2017.

Figure 1: Movement of Sensex and Nifty

Reflecting the steady trend in market movements, the market capitalisation of BSE increased by 2.7 per cent to ₹ 1,24,84,963 crore at the end of April 2017, from ₹ 1,21,54,525 crore at the end of March 2017. Market capitalization at NSE also rose to ₹ 1,23,03,875 crore from

₹ 1,19,78,421 crore during the same period witnessing a gain of 2.7 per cent. The P/E ratios of S&P BSE Sensex and Nifty 50 were 22.9 and 23.6 respectively at the end of April 2017 compared to 22.6 and 23.3 respectively a month ago (*Exhibit 2*).

Exhibit 2: The Basic Indicators in Cash Segment

	2017-18\$	2016-17	Apr-17	Mar-17	Per centage change over previous month
1	2	3	4	5	6
A. Indices					
S&P BSE Sensex	29918	29621	29918.4	29620.5	1.0
Nifty 50	9215	9174	9304.1	9173.8	1.4
B. Market Capitalisation					
BSE	1,24,84,963	1,21,54,525	1,24,84,963	1,21,54,525	2.7
NSE	1,23,03,875	1,19,78,421	1,23,03,875	1,19,78,421	2.7
C. Gross Turnover					
BSE	75,070	9,98,261	75,070	2,89,107	-74.0
NSE	4,72,110	50,55,913	4,72,110	5,56,240	-15.1
D. P/E Ratio					
S&P BSE Sensex	22.9	22.6	22.9	22.6	1.1
Nifty 50	23.6	23.3	23.6	23.3	1.6
E. No. of Listed Companies					
BSE	5,828	5,834	5,828	5,834	-0.1
NSE	1,831	1,817	1,831	1,817	0.8

\$ denotes as at the end of April 2017

Source: BSE, NSE

The monthly turnover of BSE (cash segment) fell by 74.0 per cent to ₹ 75,070 crore in April 2017 from ₹ 2,89,107 crore in March 2017. During March 2017, there was a sudden hike in the cash segment turnover caused by Block

Deals executed on March 9, 15 and 20. The monthly turnover of NSE (cash segment) also fell by 15.1 per cent to ₹ 4,72,110 crore in April 2017 from ₹ 5,56,240 crore in March 2017.

Figure 2: Trends in Average Daily Values of Sensex and BSE Turnover

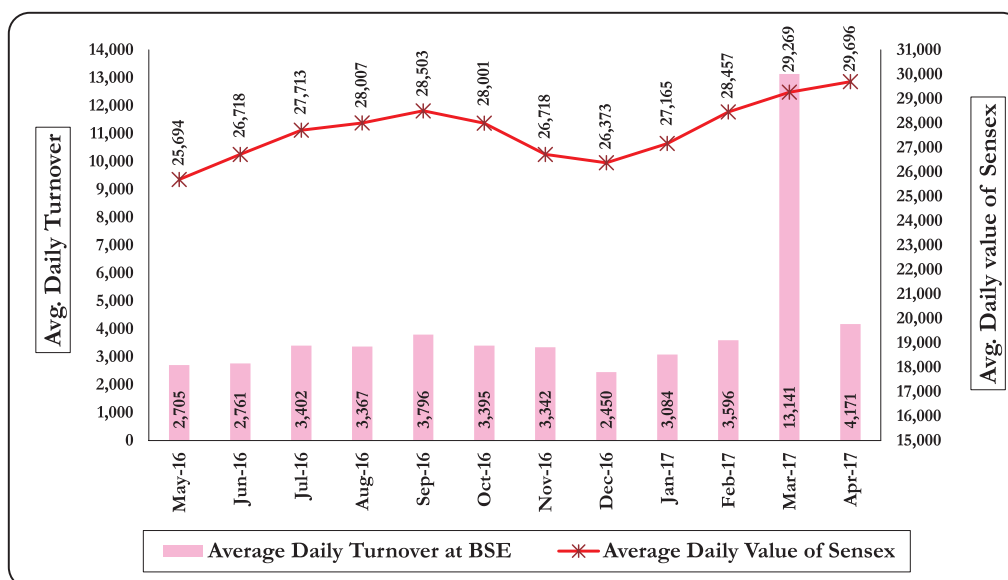
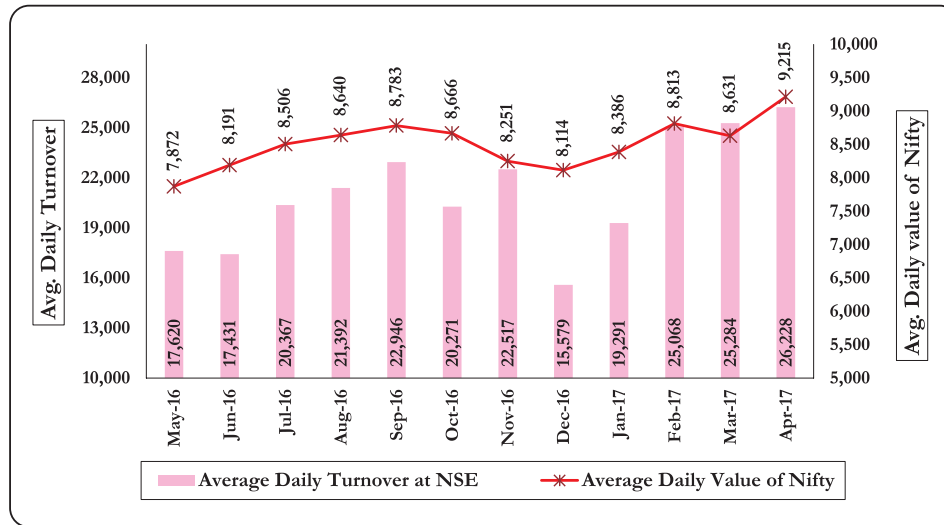


Figure 3: Trends in Average Daily Values of Nifty and NSE Turnover



Indian securities market showcased an overall positive scenario during April 2017 as indicated by different market indices. Among BSE indices, in April 2017, S&P BSE Capital Goods index increased the most (8.6 per cent), followed by S&P BSE Small Caps index (6.5 per cent) and S&P BSE PSU index (4.9 per cent). On the other hand, S&P BSE Teck index fell by 5.6 per cent followed by S&P BSE Metal index (4.2 per cent). As regards NSE indices, Nifty Small 100 index rose the most (6.6 per cent), followed by Nifty Midcap 50 index (6.3 per cent) and Nifty

Midcap 100 index (5.2 per cent), whereas Nifty IT index fell by 7.1 per cent, followed by Nifty Pharma index (2.8 per cent). During the month under review, the S&P BSE Metal index recorded the highest daily volatility (1.2 per cent), followed by BSE Capital Goods index (1.0 per cent) and S&P BSE FMCG index (0.9 per cent). At NSE during the same period, daily volatility of Nifty PSU Bank index was the highest at 1.3 per cent, followed by Nifty FMCG index (1.0 per cent) and Nifty Media index (1.0 per cent) (*Exhibit 3*).

Exhibit 3: Performance of Indices at BSE and NSE during April 2017 (Per cent)

BSE			NSE		
Index	Change over Previous quarter	Volatility	Index	Change over Previous quarter	Volatility
1	2	3	4	5	6
S&P BSE Sensex	1.0	0.6	Nifty 50	1.4	0.5
S&P BSE 100	1.8	0.5	Nifty Next 50	4.8	0.6
S&P BSE 200	2.3	0.5	Nifty 100	2.0	0.5
S&P BSE 500	2.7	0.5	Nifty 200	2.4	0.5
S&P BSE Large Cap	1.6	0.5	Nifty 500	2.7	0.5
S&P BSE Small Cap	6.5	0.6	Nifty Midcap 50	6.3	0.7
S&P BSE Consumer Durables	1.4	0.8	Nifty Midcap 100	5.2	0.6
S&P BSE Capital Goods	8.6	1.0	Nifty Small 100	6.6	0.9
S&P BSE Bankex	3.7	0.6	Nifty Bank	4.3	0.6
S&P BSE Teck	-5.6	0.8	Nifty IT	-7.1	0.9
S&P BSE FMCG	1.5	0.9	Nifty FMCG	0.6	1.0
S&P BSE Metal	-4.2	1.2	Nifty Pharma	-2.8	0.8
S&P BSE PSU	4.9	0.6	Nifty PSU Bank	3.8	1.3
S&P BSE Power	2.4	0.7	Nifty Media	2.5	1.0
S&P BSE Healthcare	-1.9	0.7	Nifty MNC	2.4	0.7

Source: BSE and NSE

IV. Trends in Depository Accounts

The total number of investor accounts at the end of April 2017 was 157 lakh at NSDL (an increase of 0.59 per cent over March 2017) and 124 lakh at CDSL (an increase of 1.30 per cent over February 2017). The number of

investor accounts increased by 7.22 per cent at NSDL and by 14.11 per cent at CDSL over the number of investors at the respective depositories in April 2016 (*Table 58*).

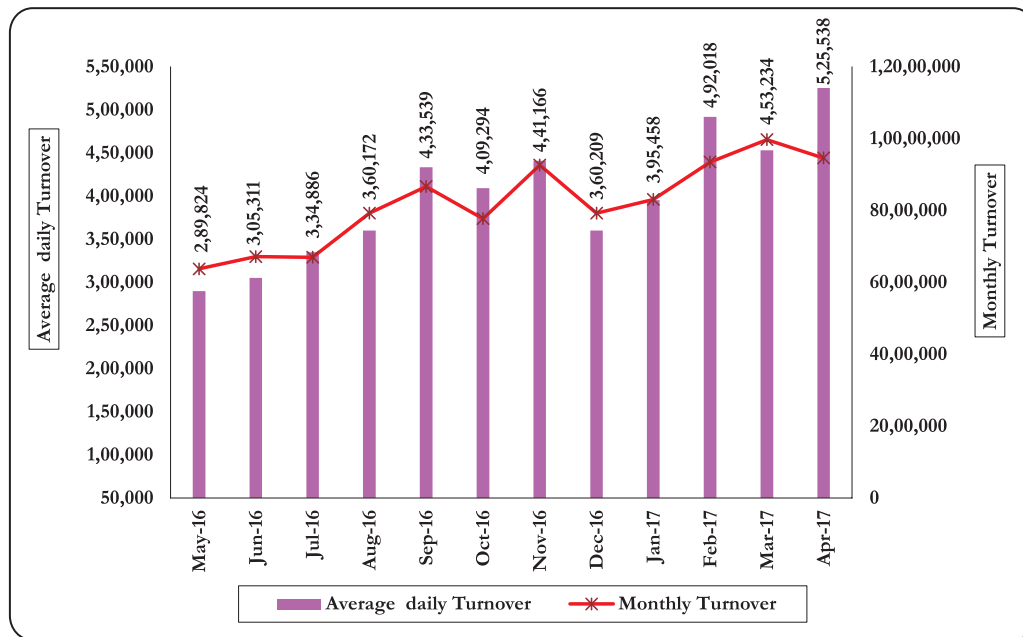
V. Trends in Derivatives Segment

A. Equity Derivatives

India is one of the most vibrant markets for exchange traded equity derivatives in the world. The monthly total turnover in equity derivatives market at NSE fell by 5.1 per cent to ₹ 94,59,682 crore in April 2017 from ₹ 99,71,153 crore in March 2017 (*Figure 4*). During the month under review options on index accounted for about 77 per cent of the total turnover in the F&O segment at NSE.

During April 2017, monthly turnover of index futures fell, whereas monthly turnover of index options, stock futures and stock options increased in turnover compared to the previous month. The open interest in value terms in the equity derivative segment of NSE went up by 5.8 per cent to ₹ 2,63,899 crore as on April 30, 2017 from ₹ 2,49,497 crore as on March 31, 2017.

Figure 4: Trends of Equity Derivatives Segment at NSE (₹ crore)



The monthly total turnover in equity derivative segment of BSE increased to ₹ 1,330 crore in April 2017 from ₹ 234 crore in March 2017. The open interest in value

terms in equity derivatives segment of BSE fell to ₹ 7 crore as on April 30, 2017 from ₹ 8 crore as on March 31, 2017 (*Exhibit 4*).

Exhibit 4: Trends in Equity Derivatives Market

Particular	NSE			BSE		
	Mar-17	Apr-17	Percentage Change Over Month	Mar-17	Apr-17	Percentage Change Over Month
1	2	3	4	5	6	7
A. Turnover (₹ crore)						
(i) Index Futures	3,47,989	3,14,580	-9.6	223	1,330	495.4
(ii) Options on Index						
<i>Put</i>	36,16,237	35,54,411	-1.7	0	2	-100.0
<i>Call</i>	42,34,222	37,29,736	-11.9	0	6	-95.1
(iii) Stock Futures	11,48,132	11,60,682	1.1	10	4	-57.8
(iv) Options on Stock						
<i>Put</i>	1,87,765	2,13,125	13.5	0	0	NA
<i>Call</i>	4,36,808	4,87,147	11.5	0	0	NA
Total	99,71,153	94,59,682	-5.1	234	1,343	473.8
B. No. of Contracts						
(i) Index Futures	47,47,968	41,74,077	-12.1	3,156	18,597	489.3
(ii) Options on Index						
<i>Put</i>	4,74,76,842	4,55,48,822	-4.1	0	32	-100.0
<i>Call</i>	5,38,63,017	4,61,81,751	-14.3	4	82	-95.1
(iii) Stock Futures	1,58,31,232	1,53,23,013	-3.2	116	51	-56.0
(iv) Options on Stock						
<i>Put</i>	26,28,015	28,23,557	7.4	0	0	NA
<i>Call</i>	33,15,699	60,24,771	81.7	0	0	NA
Total	12,78,62,773	12,00,75,991	-6.1	3,276	18,762	472.7
C. Open Interest in terms of Value (₹ crore)						
(i) Index Futures	30,190	27,328	-9.5	7	6	16.9
(ii) Options on Index						
<i>Put</i>	53,673	64,879	20.9	0	0	NA
<i>Call</i>	57,139	58,586	2.5	0	0	NA
(iii) Stock Futures	94,331	96,621	2.4	0	0	-30.4
(iv) Options on Stock						
<i>Put</i>	5,274	6,019	14.1	0	0	NA
<i>Call</i>	8,890	10,465	17.7	0	0	NA
Total	2,49,497	2,63,899	5.8	8	7	-15.4
D. Open Interest in terms of No of Contracts						
(i) Index Futures	4,22,593	3,66,737	-13.2	102	86	18.6
(ii) Options on Index						
<i>Put</i>	7,57,034	8,91,605	17.8	0	0	NA
<i>Call</i>	8,01,917	8,05,799	0.5	0	0	NA
(iii) Stock Futures	13,62,099	14,23,124	4.5	5	5	0.0
(iv) Options on Stock						
<i>Put</i>	74,015	84,454	14.1	0	0	NA
<i>Call</i>	1,24,746	1,46,418	17.4	0	0	NA
Total	35,42,404	37,18,137	5.0	107	91	-15.0

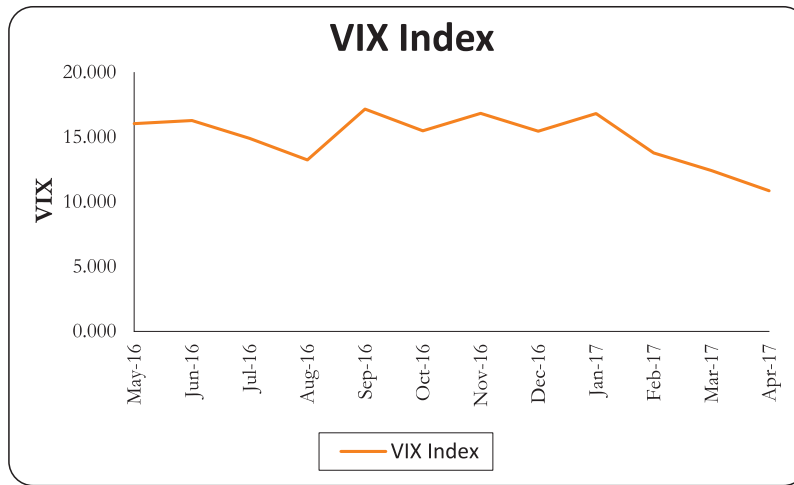
B. VIX Futures at NSE

NSE introduced futures contracts on India VIX in the Futures & Options segment of NSE w.e.f. February 26, 2014. It is a volatility index based on the NIFTY Index Option prices. From the best bid-ask prices of NIFTY Options contracts, a volatility figure (in per centage) is calculated which indicates the expected market volatility over the next 30 calendar days. This volatility index is a measure of market expectations of near-term. The contract symbol is INDIAVIX and 3 weekly futures

contracts were made available for trading. The contracts shall expire on every Tuesday. The tick size is 0.25 and lot size is 550.

India VIX closed at 10.86 at the end of April 2017, lower than 12.42 registered at the end of March 2017 (*Figure 5*). During March and April 2017 there was no trade in VIX futures contract. The open interest in India VIX contracts was zero at the end of April 2017.

Figure 5: Trends in VIX futures at NSE

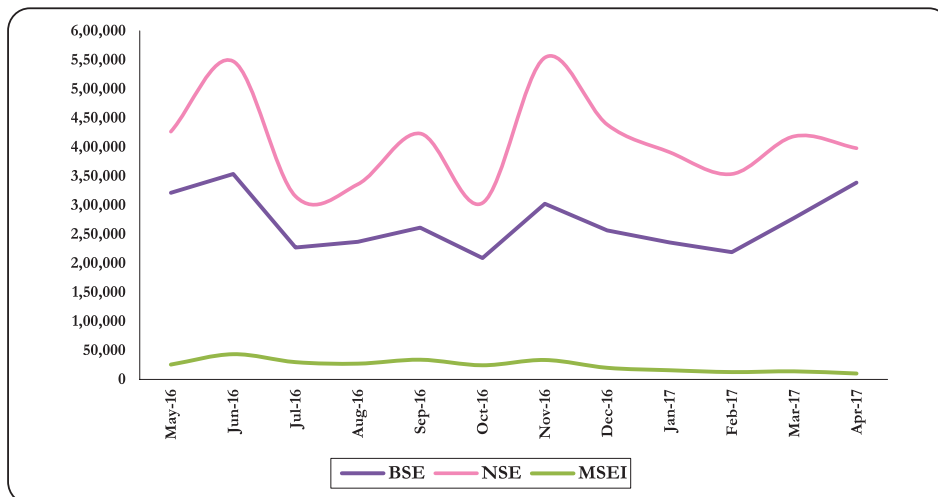


C. Currency Derivatives at NSE, BSE and MSEI

April 2017 witnessed a slowdown in currency derivatives trade across exchanges. The monthly turnover of currency derivatives at NSE during April 2017 fell by 4.9 per cent to ₹ 3,98,004 crore from ₹ 4,18,537 crore in March 2017. During the same time the monthly turnover of currency

derivatives at BSE went up by 21.9 per cent to ₹ 3,38,721 crore from ₹ 2,77,957 crore, whereas the monthly turnover of currency derivatives at MSEI fell by 26.9 per cent to ₹ 10,170 crore from ₹ 13,922 crore (*Figure 6 and Tables 37, 38 and 39*).

Figure 6: Trends of Currency Derivatives at NSE, MSEI and BSE (₹ crore)

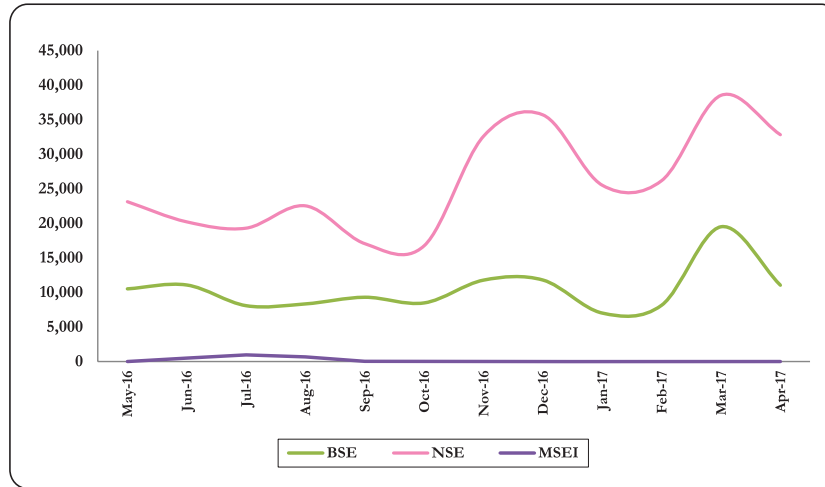


D. Interest Rate Futures at NSE, BSE and MSEI

During April 2017, the monthly turnover of interest rate futures at NSE decreased by 14.8 per cent to ₹ 32,824 crore from ₹ 38,528 crore in March 2017. The turnover of interest rate futures at BSE decreased by 43.6 per cent to

₹ 11,047 crore in April 2017 from ₹ 19,504 crore in March 2017. At MSEI, there was no trade in interest rate futures in both the months (Figure 7 and Table 47).

Figure 7: Trends of Interest Rate Futures at NSE, BSE and MSEI (₹ crore)



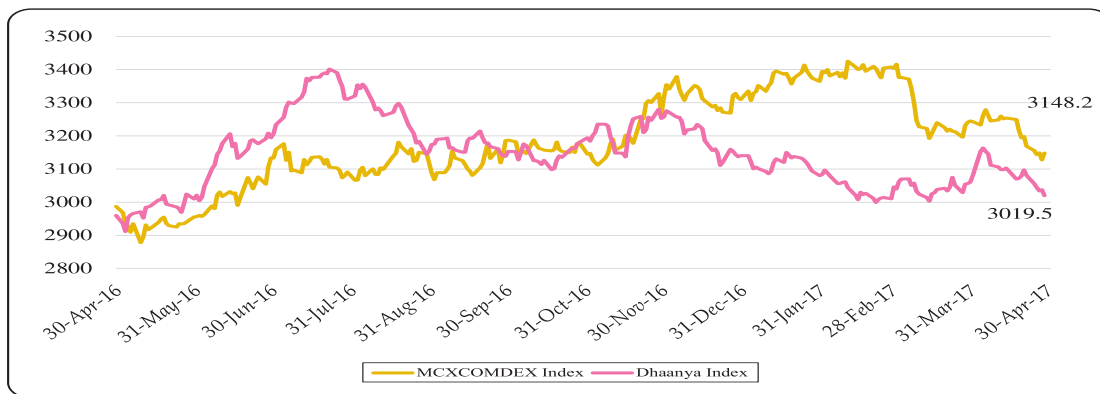
VI. Commodities Futures Markets

A. Market Trends

At the end of April 2017, the composite index MCXCOMDEX decreased by 2.92 percent and Dhaanya Index of NCDEX decreased by 1.99 percent over the closing values of previous month. On April 28, 2017, MCXCOMDEX and Dhaanya closed at 3148.19 and 3019.45, respectively (Figure 8). MCXCOMDEX recorded an intraday high of 3291.16 on April, 05, 2017 while

3110.03 on April 27, 2017 was its lowest intra-day level during the month. NCDEX Dhaanya recoded an intra-day high of 3185.09 on April 05, 2017 and an intra-day low of 3013.79 on April 28, 2017. The group indices of MCXCOMDEX, namely, MCX Metal, MCX Energy and MCX Agri. decreased by 2.44 percent, 2.75 percent and 4.99 percent, respectively. (Details in Table 61 to 69).

Figure 8: Movement of Commodity Futures Market Indices



Source: MCX and NCDEX

Daily volatility during April 2017 of MCXCOMDEX and NCDEX Dhaanya indices was recorded at 0.53 percent and 0.74 percent, respectively. Among the component indices of MCXCOMDEX, MCX Energy recorded highest volatility of 1.11 percent, followed by

MCX Metal (0.65 percent) and MCX Agri. (0.59 percent). The daily volatility and return over the previous months of commodity futures market indices is shown in the Exhibit 5 below:

Exhibit 5: Performance of Indices at MCX and NCDEX during April 2017 (Percent)

MCX			NCDEX		
Index	Change over Previous month	Daily Volatility	Index	Change over Previous month	Daily Volatility
1	2	3	4	5	6
MCXCOMDEX	-2.92	0.53	Dhaanya	-1.99	0.74
MCX Metal	-2.44	0.65			
MCX Energy	-2.75	1.11			
MCX Agri.	-4.99	0.59			

Source: MCX and NCDEX

During April 2017, all the national commodity exchanges and also regional commodity exchange of CoC, Hapur recorded decrease in turnover over their respective turnover during March 2017.

The total turnover at MCX was ₹3,64,260 crore in April 2017, which is a decrease of 17.28 percent over the total turnover of ₹4,40,373 crore during March 2017. The contribution to the total turnover at MCX from Metal segment was at 37.22 percent followed by Energy segment at 32.63 percent, Bullion segment with 27.61 percent and agricultural commodities had a share of 2.54 percent.

The total turnover at NCDEX has decreased from ₹64,077 crore in March 2017 to ₹43,955 crore in April 2017, a decrease of 31.4 percent. Since June 2016, the entire turnover at NCDEX is contributed by the agricultural commodities segment only.

The total turnover at NMCE has decreased from ₹3,359 crore in March 2017 to ₹2,367 crore in April 2017, a

decrease of 29.5 percent. The entire turnover at NMCE is also contributed by the agricultural commodities segment only.

The total turnover in agricultural commodities at all the three national exchanges stood at ₹55,586 crore while that of the non - agricultural commodities stood at ₹3,54,993 crore. The total turnover of agricultural commodities was the highest at NCDEX (₹43,955 crore) followed by MCX (₹9,267 crore) and NMCE (₹2,367 crore) (Figure 9). Presently, the non-agricultural commodities of Bullion, Metals and Energy segments are traded only at MCX. (Figure 10). Details in Table 63, 64, & 65.

At Chamber of Commerce (CoC), Hapur, a regional exchange is trading in only Mustard Seed contract. CoC, Hapur recorded a turnover of ₹456 crore during April 2017 as against total turnover of ₹664 crore during March 2017, a decrease of 31.4 percent.

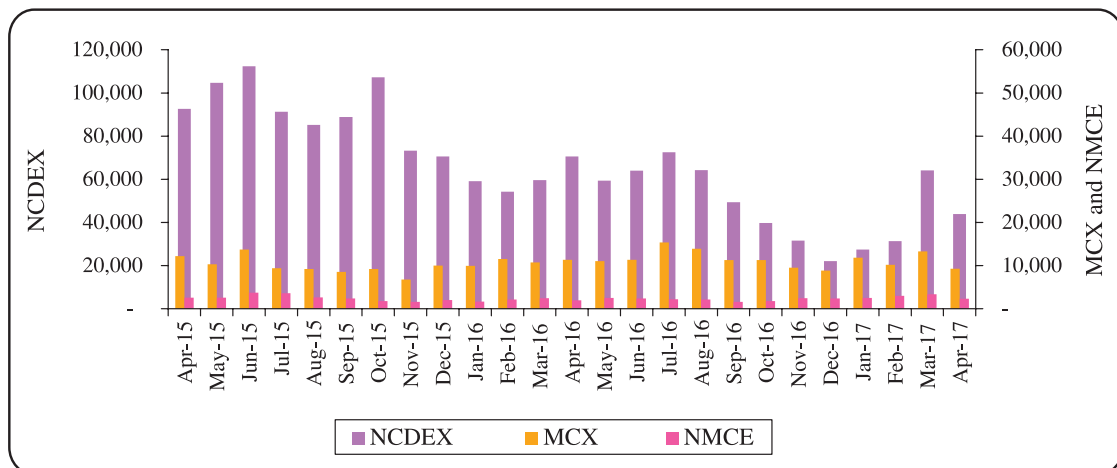
Figure 9: Turnover of Agricultural Commodities Futures at National Exchanges (₹crore)

Figure 10: Turnover of Non-Agricultural Commodities Futures at Exchanges (₹crore)

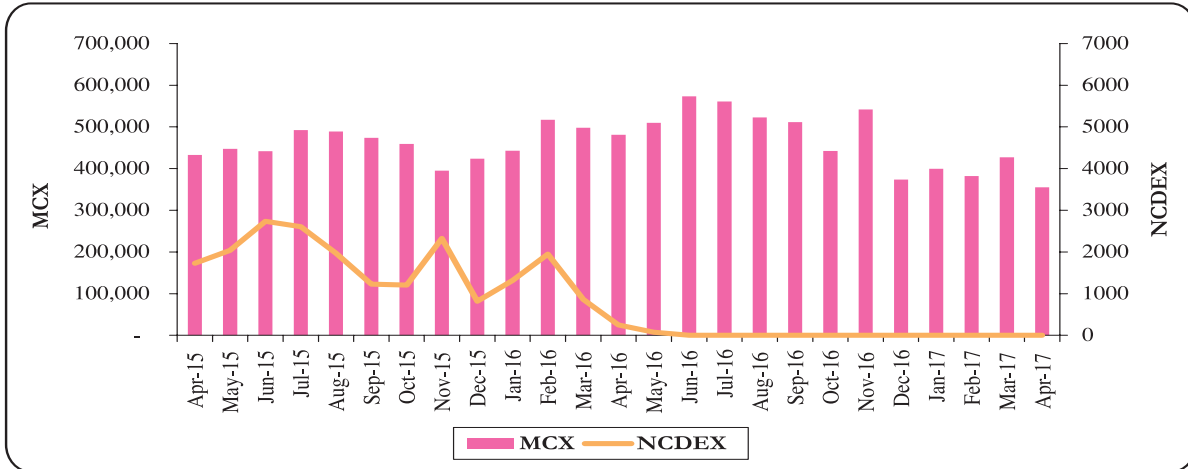


Exhibit 6 : Periodic variation (M-o-M and Y-o-Y) in futures closing prices for near month contracts of commodities traded at MCX, NCDEX and NMCE.

Commodities traded at MCX	Closing value as on 28/4/2017	Variation in prices as on 28/04/2017 (percent)		Commodities traded at NCDEX / NMCE	Closing value as on 28/4/2017	Variation in prices as on 28/04/2017 (percent)	
		M-o-M	Y-o-Y			M-o-M	Y-o-Y
MCX Comdex	3148	-2.9	5.3	Dhaanya Index	3019	-2.0	1.9
MCX AGRI Index	2442	-5.0	7.3	Guar seed 10 MT	3866	-3.1	14.2
MCX Metal Index	4571	-2.4	2.8	Guar Gum	8356	1.2	37.9
MCX Energy Index	2393	-2.7	9.4	Soybean	2934	2.8	-25.3
Gold	28873	1.4	-4.6	Turmeric	6058	-3.5	-27.6
GoldM	28872	0.9	-4.2	Sugar	3659	-3.1	9.6
Gold Petal	2903	1.0	-3.2	RM seed	3759	-3.8	-14.5
Gold Guinea	23203	1.3	-3.4	Soy Oil	610	-3.9	-5.8
Silver	39503	-6.7	-5.0	Maize Kharif	1465	4.0	NA
Silver 1001	40004	-5.2	-2.6	Cottonseed oilcake	1970	-7.6	-14.2
Nickel	609	-4.9	-3.2	Cotton 29 mm	20860	-1.0	22.3
Copper	368	-3.5	10.0	Jeera	19490	8.9	11.9
Lead	146	-2.2	22.6	Wheat	1610	-3.1	-1.2
Crude Oil	3174	-3.3	4.6	Coriander	6567	-12.9	-8.6
Crude Brent	3337	-3.9	4.6	Barley	1545	-2.3	-0.7
Natural Gas	212	3.1	47.5	Chilli	7152	-4.5	-41.3
Zinc	169	-6.1	31.2	V797 kapas	992	-3.2	32.0
Aluminium	124	-1.8	11.4	Shankar Kapas	1109	-2.9	12.9
Cotton	20600	-1.4	23.1	Castor Seed	4689	-2.5	NA
CPO	517	-4.1	-8.4	NMCE			
Mentha Oil	1087	-3.8	9.0	Castor Seed 10 MT	4711	-1.2	56.7
Cardamom	1209	-13.7	55.8	Rubber	13987	-3.2	4.6
Castor Seed	4670	-3.7	NA	Raw Jute	3992	-3.6	-30.9
				Isabgul Seed	11591	-3.3	-0.2
				RM seed	661	-3.9	-14.0
				Guar Seed	3857	-3.1	15.7
				Pepper	56344	-8.3	NA

Source: Bloomberg & NMCE

At the end of April 2017, M-o-M returns among the near month contracts of non-agricultural commodities were positive only for Gold and Natural Gas (Exhibit 6). During the month Natural Gas futures prices gained by 3.1 percent, while gold and its variants closed with positive returns ranging from 0.9 to 1.4 percent. M-o-M prices of Silver futures declined the most by -6.7 percent, followed by Zinc (-6.1 percent), Nickel (-4.9 percent), Copper (-3.5 percent), Crude Brent Oil (-3.9 percent), Crude Oil (-3.3 percent) and Aluminum (-1.1 percent).

Among all the agricultural commodities traded at all three national exchanges, only four contracts generated positive M-o-M returns. Among them, Jeera futures recorded highest gain of 8.9 percent, followed by Maize Kharif (4.0 percent), Soybean (2.8 percent) and Guar Gum (1.2 percent). Among losers in terms of M-o-M prices, Cardamom declined the most by -13.7 percent, followed by Coriander (-12.9 percent), Pepper (-8.3 percent).

On Y-o-Y basis, in terms of futures prices a mixed trend is observed among non-agricultural commodities. Among these, Natural Gas futures was the top gainer with 47.5 percent increase, followed by Zinc (31.2 percent), Lead (22.6 percent), Aluminum and (11.4 percent each), Copper (10.0 percent), both Crude Oil and Brent Crude (4.6 percent each). Among losers, prices of Silver and its variant Silver 1001 declined by 5.0 and 2.6 percent, respectively, while Gold and its variants (Gold Petal, Gold Guinea and Gold Mini) declined in the range of 2.6 to 3.0 percent.

Among agricultural commodities, Y-o-Y returns in terms of futures prices was highest for Castor Seed contract at NMCE (56.7 percent), followed by Cardamom (55.8 percent), Guar Gum (37.9 percent), V797 Kapas (32.0 percent), Mentha Oil (36.1 percent), Cotton (23.1 percent), Cotton 29 mm (22.3 percent). On the other hand, Y-o-Y return on prices among agricultural commodities declined the most for Chilly (41.3 percent), followed by Raw Jute (-30.9 percent) Turmeric (-27.6 percent), Soybean (-25.3 percent).

The 3rd Advance Estimates of production of major crops for 2016-17 have been released on May 9, 2017 by the Department of Agriculture, Cooperation and Farmers Welfare. According to the estimates, the country has witnessed record foodgrain production in the current year.

VII. Trading in Corporate Debt Market

During April 2017, BSE recorded 2,287 trades of corporate debt with a traded value of ₹ 37,605 crore compared to 3,105 trades with a traded value of ₹ 44,580 crore recorded in March 2017. At NSE, 4,718 trades were

As per estimates for 2016-17, total foodgrain production in the country is estimated at 273.38 million tonnes which is higher by 8.34 million tonnes (3.15 percent) than the previous record production of foodgrain of 265.04 million tonnes achieved during 2013-14. The current year's production is also higher by 16.37 million tonnes (6.4 percent) than the previous five years' (2011-12 to 2015-16) average production of foodgrains. The current year's production is significantly higher by 21.81 million tonnes (8.7 percent) than the last year's foodgrain production.

Production of Wheat, estimated at 97.44 million tonnes is also a record. This year's wheat production is higher by 1.66 percent than the previous record production of 95.85 million tonnes achieved during 2013-14. The current year's production is higher by 5.15 million tonnes (5.6 percent) as compared to Wheat production of 92.29 million tonnes achieved during 2015-16.

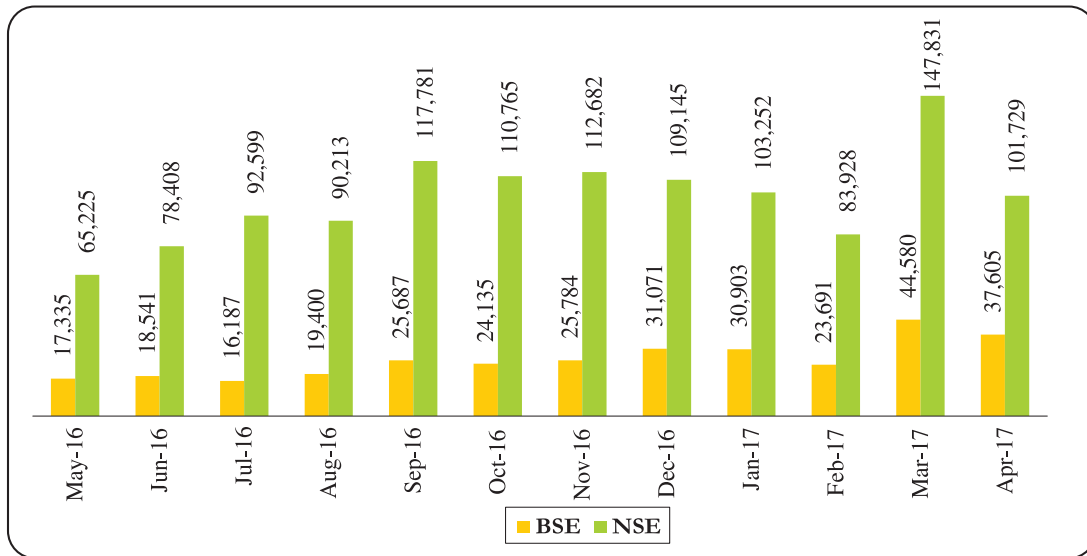
With an increase of 7.27 million tonnes (28.8 percent) over the previous year, total Oilseeds production in the country is estimated at 32.52 million tonnes. The production of Oilseeds during 2016-17 is also higher by 3.27 million tonnes (11.2 percent) than the five year's average Oilseeds production.

Despite lower area coverage during 2016-17, higher productivity of Cotton has resulted into higher production of 32.58 million bales (of 170 kg each), i.e. an increase of 8.57 percent, as compared to 30.01 million bales during 2015-16. However, production of sugarcane is estimated at 306.03 million tonnes which is lower by 42.42 million tonnes (-12.2 percent) than the last year's production of 348.45 million tonnes. Also production of Jute & Mesta estimated at 10.27 million bales (of 180 kg each) is marginally lower (-2.4 percent) than their production of 10.52 million bales during the last year.

The Cabinet Committee on Economic Affairs, chaired by the Prime Minister, has increased the MSP of Jute to a level of ₹ 3,500/- per quintal for 2017-18 season which indicates an increase of ₹300/- (9.4 percent) over the previous year. During the last three years (2015-16, 2016-17 & 2017-18), Government has increased the MSP for jute from ₹2700/- to ₹3,500/- (29.6 percent) as compared to increase from ₹2,200/- to ₹2,400/- (9.1 percent) in the preceding three years (2012-13, 2013-14 & 2014-15).

reported in April 2017 with a traded value of ₹ 1,01,729 crore compared to 7, 646 trades with value of ₹ 1,47,831 crore in the previous month (*Figure 11 and Table 13*).

Figure 11: Trends in Reported Turnover of Corporate Bonds (₹ crore)



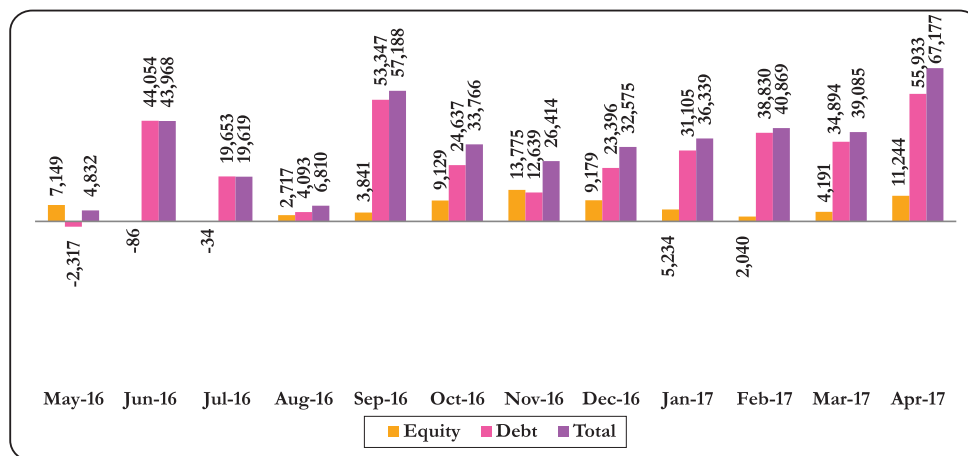
VIII. Trends in Institutional Investment

A. Trends in Investment by Mutual Funds

The total net investment in the secondary market by mutual funds was ₹ 67,177 crore in April 2017 out of which ₹ 11,244 crore was invested in equity and ₹ 55,933 crore was invested in debt. This is an increment over total investment of ₹ 39,085 crore in March 2017 out of which ₹ 4,191 crore was invested in equity and ₹ 34,894 crore was invested in debt (*Figure 12*).

As on April 30, 2017, there were a total of 2,162 mutual fund schemes in the market, of which 1,553 (71.8 per cent) were income / debt oriented schemes, 486 (22.5 per cent) were growth / equity oriented schemes, 31 (1.4 per cent) were balanced schemes, 63 (2.9 per cent) were exchange traded funds and 29 (1.3 per cent) were fund of funds investing overseas (*Tables 55 & 56*).

Figure 12: Trends in Mutual Funds Investment (₹ crore)



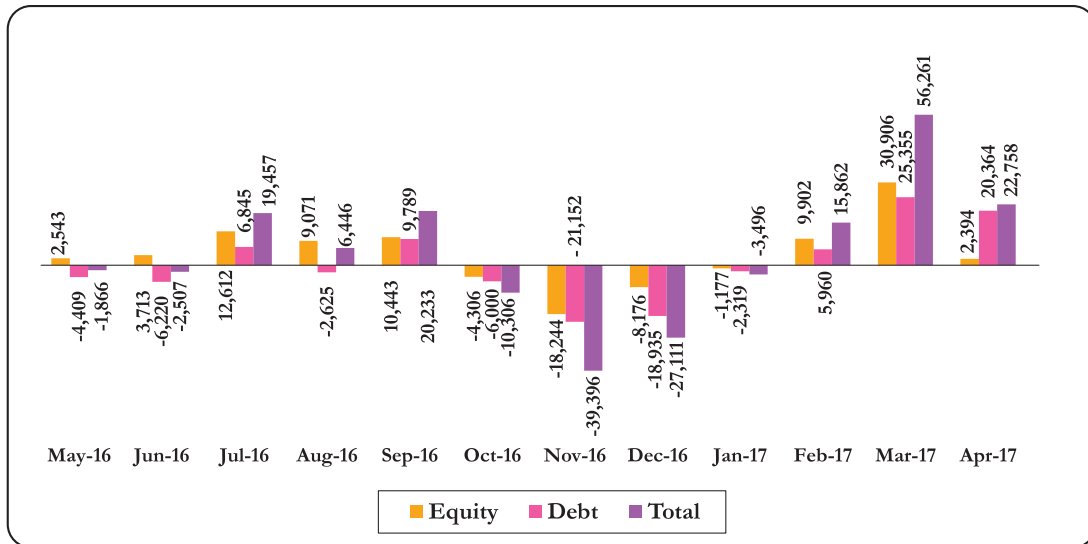
B. Trends in Investment by the Foreign Portfolio Investors (FPIs)

In April 2017, the FPIs remained net buyers in the Indian securities market to the tune of ₹ 22,758 crore. There were net inflow of ₹ 2,394 crore in equity and ₹ 20,364 crore in debt (*Figure 13*).

The assets of the FPIs in India, as reported by the

custodians, at the end of April 2017 was ₹ 27,86,083 crore, out of which the value of offshore derivative instruments (including ODIs on derivatives) was ₹ 1,28,380 crore, constituting 4.6 per cent of the total assets under custody of FPIs. (*Tables 49, 50 & 51*)

Figure 13: Trends in FPIs Investment (₹ crore)



IX. Trends in Portfolio Management Services

Assets under management (AUM) of discretionary portfolio management services (PMS) increased by 3.5 per cent to ₹ 10,00,994 crore in April 2017 from ₹ 9,67,036 crore in March 2017. During the same time the AUM of Non-discretionary PMS increased by 4.9 per cent from ₹ 75,061 crore to ₹ 78,716 crore. However, AUM of Advisory services decreased by 1.1 per cent from

₹ 1,88,385 crore to ₹ 1,86,399 crore.

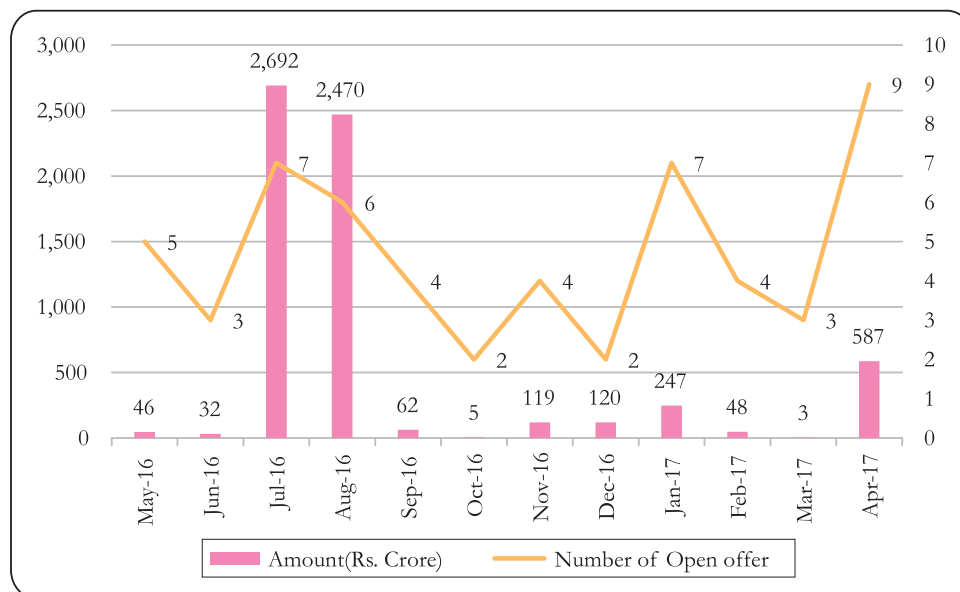
In terms of number of clients, discretionary services category leads with total of 76,322 clients, out of 82,785 clients in PMS industry, followed by non-discretionary category with 4,935 clients and advisory category with 1,528 clients. (Table 57)

X. Trends in Substantial Acquisition of Shares and Takeovers

In April 2017, nine open offers with offer value of ₹ 587 crore were made to the shareholders as against three

open offers with offer value of ₹ 3 crore in March 2017 (Figure 14).

Figure 14: Details of Offers Opened under the SEBI (SAST) Regulations (₹ crore)



MONTHLY REVIEW OF GLOBAL FINANCIAL MARKETS¹

Snapshots

United States:

GDP expanded by 1.2 percent in Q1 of 2017 (Y-o-Y) as compared to 2.1 percent in Q4 2016. CPI inflation was 2.2 percent (Y-o-Y) in April 2017. Unemployment rate fell to 4.4 percent in April 2017 from 4.7 percent in March 2017.

United Kingdom

Real GDP grew by 0.2 percent (Y-o-Y) in Q1 of 2017 against 1.8 percent of Q4 2016. CPI inflation was 2.7 percent (Y-o-Y) in April 2017 as compared to 2.3 in March. Unemployment rate remained at 4.6 percent during the period January 2017 to March 2017.

Japan:

GDP expanded by 1.6 percent (Y-o-Y) in Q1 of 2017, as compared to 1.7 percent in Q4. CPI inflation was 0.4 percent (Y-o-Y) in April 2017. Unemployment rate remained unchanged at 2.8 percent in April 2017.

Euro Zone (EA19):

GDP advanced by 1.7 percent (Y-o-Y) in Q1 of 2017, remain unchanged from Q4. CPI inflation was 1.9 percent (Y-o-Y) in April 2017 against 1.5 percent in March 2017. Unemployment dropped to 9.3 percent in April 2017, as compared to 9.4 in March 2017.

BRICS Nations:

- Real GDP of Brazil contracted by 0.4 percent (Y-o-Y) in Q1 2017. CPI inflation came down to 4.1 percent in April 2017. Unemployment rate increased to 13.6 percent April 2017.
- Russia's GDP advanced by 0.5 percent (Y-o-Y) in Q1 2017. CPI inflation was 4.1 percent (Y-o-Y) in April 2017. Unemployment rate decreased slightly to 5.3 percent in April 2017.
- India's real GDP grew by 7.1 percent (Y-o-Y) in Q4 quarter of 2016-17 as compared to 7.0 percent in Q3 quarter of 2016-17. Consumer prices in India recorded 3.0 percent (Y-o-Y) in April 2017, decreasing from a 3.9 percent in March 2017.
- GDP of China expanded by 6.9 percent (Y-o-Y) in the March quarter of 2017. Consumer prices in China rose by 1.2 percent (Y-o-Y) in March 2017, compared to a 0.9 percent rise in February 2017. Unemployment rate almost remained stable at 4.0 percent in March quarter.
- GDP of South Africa advanced by 1.0 percent, against 0.7 percent in the previous quarter. Consumer prices increased by 5.3 percent in April 2017. Unemployment rate in South Africa increased to 27.7.

1. Introduction:

- 1.1. Global economic activity has been continuing to expand with recovery of some Euro-zone economies, robust growth in China and improvements in commodity exporting economies. The US GDP data of the first quarter of 2017, on the other hand shows temporary weakness. However the latest labour market data and other short-term indicators signals of quick recovery. The Japanese economy also has shown sign of recovery. China has recorded strong GDP figures in recent quarters. India is also forecast to continue growing at a high rate depending on near-term developments in domestic consumption, agricultural output and the success of its structural reforms. Brazil and Russia are forecasted to rebound to growth, after two years of recession.
- 1.2. In the emerging economies, India and China are expected to continue to witness high rate of growth. On the other hand, Russia and Brazil, faced contraction over past few quarters, are expected to recover in 2017. Effect of demonetization in India is ebbing fast and it is expected that the country will witness robust growth in 2017. China on the other hand is suffering from slowing growth rate. Russia underperformed with weaker oil prices a headwind.

2. Major Recent Developments Across the Globe:

2.1. Unemployment decreases but recovery remains uneven in OECD area

The employment continues to improve in the OECD area, with the unemployment rate reaching to pre-crisis levels. But people on low and middle incomes have seen their wages stagnate and the share of middle-skilled jobs has fallen, contributing to rising inequality and concerns that top earners are getting a disproportionate share of the gains from economic growth, according to a new OECD report. The Outlook projects that the labour market can be expected to improve until at least the end of 2018, with nearly 47 million more people employed than those were at the end of 2007.

¹ Prepared by the Department of Economic and Policy Analysis-I of SEBI based on latest available data/information. Views expressed in the review are not of SEBI.

2.2. Policy reforms in services trade are expected to boost the global economy

As per a new OECD report, better policies in services trade can initiate inclusive economic growth by promoting access to the information, skills, technology, funding and markets needed for success in an increasingly digital global economy. Services generate more than two-thirds of global GDP, employ the most workers and create the most new jobs globally. The OECD-WTO Trade in Value Added (TiVA) database shows that services contributes more than 50 percent of the value added in gross exports, and over 30 percent of the value added in exports of manufacturing goods.

The World Economy:

- 2.3. The IMF in its World Economic Outlook published in April 2017 has slightly revised up the projection of the world growth from 3.1 percent in 2016 to 3.5 percent in 2017 and 3.6 percent in 2018, above the its previous forecast (Table 1). Albeit the upward revision, IMF points out that structural impediments may hold back a stronger recovery. Besides the structural factors, the IMF also concerned about the pressures for inward-looking policies being adopted in advanced economies, which may affect global integration.
- 2.4. Growth in the advanced economies is primarily driven by higher projected growth in the United States. While the growth projection of most of the advanced economies have been revised up, a number of emerging economics saw down ward revisions. Growth projections have been revised up in the US reflecting the protectionism being adopted by the present government. The outlook has also improved for Europe and Japan based on a cyclical recovery in global manufacturing and trade that started in the second half of 2016. Commodity exporting countries are expected to reap the benefit of existing high commodity prices.
- 2.5. Growth forecasts for emerging market and developing economies was revised downward as a result of weaker outlook in several large economies. Growth forecasts have been marked up for China, reflecting stronger-than-expected policy support. Russia is predicted to grow at a faster pace as economic activities are improving and higher oil prices bolster the recovery. On the other hand, growth forecasts for India was revised down as a result of the impact of the demonetization. Brazil is also expected to grow slowly as the country has been mire in deep recession.

Exhibit 1: Overview of the *World Economic Outlook* Projections

	Projections			Difference from January 2017 WEO update ¹		Difference from October 2016 WEO ¹	
	2016	2017	2018	2017	2018	2017	2018
World Output	3.1	3.5	3.6	0.1	0.0	0.1	0.0
Advanced Economies	1.7	2.0	2.0	0.1	0.0	0.2	0.2
United States	1.6	2.3	2.5	0.0	0.0	0.1	0.4
Euro Area	1.7	1.7	1.6	0.1	0.0	0.2	0.0
Germany	1.8	1.6	1.5	0.1	0.0	0.2	0.1
France	1.2	1.4	1.6	0.1	0.0	0.1	0.0
Italy	0.9	0.8	0.8	0.1	0.0	-0.1	-0.3
Spain	3.2	2.6	2.1	0.3	0.0	0.4	0.2
European Union	2.0	2.0	1.8	0.2	0.0	0.3	0.0
Japan ²	1.0	1.2	0.6	0.4	0.1	0.6	0.1
United Kingdom	1.8	2.0	1.5	0.5	0.1	0.9	-0.2
Canada	1.4	1.9	2.0	0.0	0.0	0.0	0.1
Other Advanced Economies ³	2.2	2.3	2.4	0.1	0.0	0.0	0.0
Emerging Market and Developing Economies	4.1	4.5	4.8	0.0	0.0	-0.1	0.0
Brazil	-3.6	0.2	1.7	0.0	0.2	-0.3	0.2
Russia	-0.2	1.4	1.4	0.3	0.2	0.3	0.2
India ⁴	6.8	7.2	7.7	0.0	0.0	-0.4	0.0
China	6.7	6.6	6.2	0.1	0.2	0.4	0.2
South Africa	0.3	0.8	1.6	0.0	0.0	0.0	0.0
Low-Income Developing Countries	3.6	4.7	5.3	0.0	-0.1	-0.2	0.1
Middle East and North Africa	3.8	2.3	3.2	-0.6	-0.1	-0.9	-0.2

Notes: ¹ Difference based on rounded figures for the current, January 2017 *World Economic Outlook Update*, and October 2016 *World Economic Outlook* forecasts.

² Japan's historical national accounts figures reflect a comprehensive revision by the national authorities, released in December 2016. The main revisions are the switch from the System of National Accounts 1993 to the System of National Accounts 2008 and the updating of the benchmark year from 2005 to 2011.

³ Excludes the G7 (Canada, France, Germany, Italy, Japan, United Kingdom, United States) and euro area countries.

⁴ For India, data and forecasts are presented on a fiscal year basis and GDP from 2011 onward is based on GDP at market prices with FY2011/12 as a base year.

Source: IMF

The Organisation for Economic Co-operation and Development (OECD)²:

2.6. The Organisation for Economic Co-operation and Development (OECD) was born on 30 September 1961. It is an organisation of 35 member countries worldwide who together try to identify problems, discuss and analyse them, and promote policies to solve them. Most OECD members are high-income economies with a very high Human Development Index (HDI) and are regarded as developed countries.

2.7. As per the provisional estimates, quarterly growth of real GDP in the OECD area decelerated sharply to 0.4 per cent in the first quarter of 2017, compared with 0.7 per cent in the previous quarter. Year-on-

year (Y-o-Y) GDP growth for the OECD area was stable at 2.0 per cent in the first quarter of 2017.

2.8. Annual inflation in the OECD area picked up to 2.4 per cent in April 2017, compared with 2.3 per cent in March 2017. Food price inflation picked up to 1.1 per cent in the year to April, compared with 0.9 per cent in the year to March while energy prices grew at a slower pace (8.2 per cent) than in the year to March 2017 (9.1 per cent). Excluding food and energy, inflation in the OECD area increased by 1.9 per cent, compared with 1.8 per cent in March. The OECD unemployment rate was stable at 5.9 percent in April 2017.

² The Organisation for Economic Co-operation and Development (OECD) was born on 30 September 1961. It is an organisation of 35 member countries worldwide. Most OECD members are high-income economies with a very high Human Development Index (HDI) and are regarded as developed countries.

Exhibit 2: Major Macroeconomic Indicators

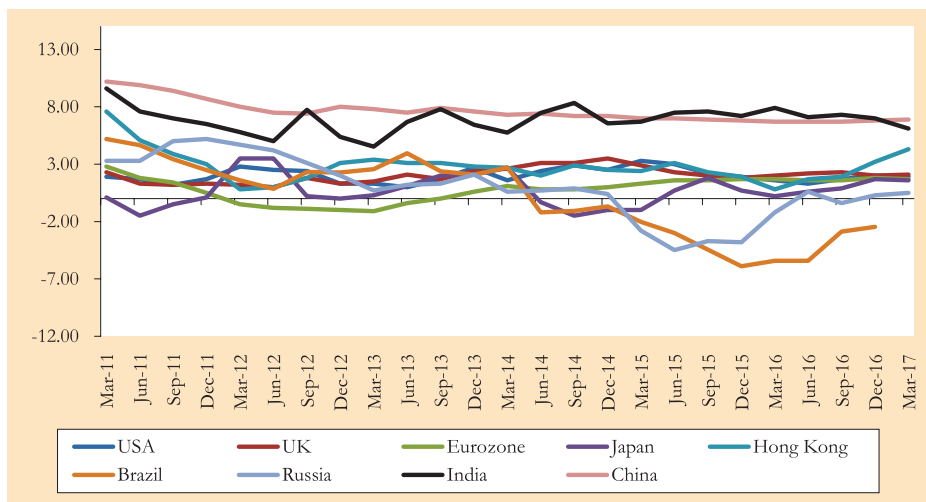
	Country / Region	Quarterly Growth Real GDP				Annual CPI Inflation		Unemployment Rate		Benchmark Interest Rate
		Y-o-Y	period	Q-o-Q	period	Rate	Period	Rate	Period	
Developed Countries	United States	2.10	Q1	1.40	Q1	2.20	Apr-17	4.40	Apr-17	1.00
	United Kingdom	2.00	Q1	0.20	Q1	2.70	Apr-17	4.60	Mar-17	0.25
	Eurozone	1.70	Q1	0.50	Q1	1.90	Apr-17	9.30	Apr-17	0.00
	Germany	2.30	Q1	0.60	Q1	2.00	Apr-17	3.90	Apr-17	0.00
	France	0.80	Q1	0.30	Q1	1.20	Apr-17	9.60	Q1 of 2017	0.00
	Japan	1.60	Q1	0.50	Q1	0.40	Apr-17	2.80	Apr-17	-0.10
BRICS	Brazil	-0.40	Q1	1.00	Q1	4.08	Apr-17	13.60	Apr-17	10.25
	Russia	0.50	Q1	NA	-	4.10	Apr-17	5.30	Apr-17	9.25
	India	6.10	Q1	1.60	Q4	2.99	Apr-17	NA	-	6.25
	China	6.90	Q1	1.30	Q1	1.20	Apr-17	3.97	Q1 of 2017	4.35
	South Africa	1.00	Q1	-0.70	Q1	5.30	Apr-17	27.7	Q1 of 2017	7.00
Other Ems	South Korea	2.70	Q1	0.90	Q1	1.90	Apr-17	4.00	Mar-17	1.25
	Indonesia	5.01	Q1	-0.34	Q1	4.17	Apr-17	5.33	Q1 of 2017	4.75
	Turkey	3.50	Q4	3.80	Q4	11.87	Apr-17	12.60	Feb-17	8.00

Source: Bloomberg

Note: Q1 refers to Jan - March 2017

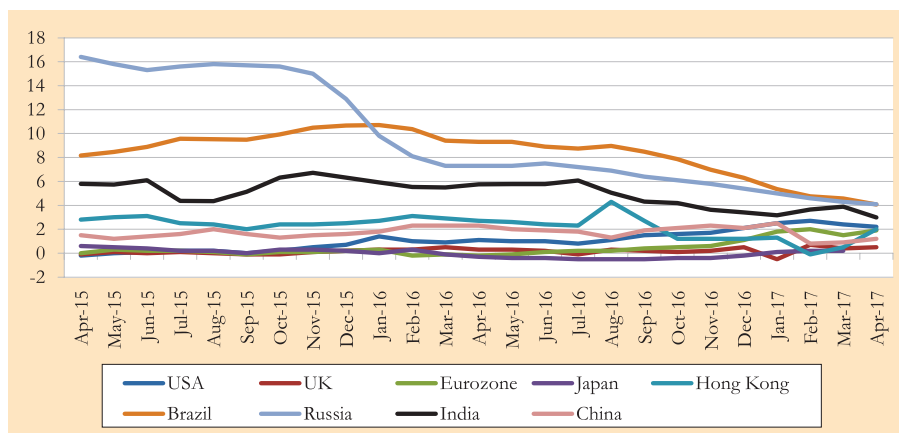
Q4 refers to Oct - Dec 2016

Chart 1: Year-on-Year Real GDP growth rates of major countries/ region (percent)



Source: Bloomberg

Chart 2: Year-on-Year Consumer Price Inflation (percent)



Source: Bloomberg

United States:

- 2.9. As per the “third” estimates released by the Bureau of Economic Analysis the real GDP of US grew at 1.4 percent (Q-o-Q) (in annualised terms) during the first quarter of 2017 down from 2.1 percent growth rate recorded in the previous quarter. The increase in real GDP in the first quarter reflected positive contributions from non-residential fixed investment, exports, residential fixed investment, and PCE that were partly offset by negative contributions from private inventory investment, federal government, state and local government spending. Real GDP increased by 1.6 percent in 2016 (Y-o-Y) compared with an increase of 2.6 percent in 2015.
- 2.10. As per data released by the Bureau of Labor Statistics, the consumer prices in USA went up by 2.2 percent (Y-o-Y) in April 2017. The price index for all items less food and energy rose by 1.9 percent (Y-o-Y) during the same period. Unemployment rate in the US marginally fell to 4.4 percent in April 2017 from 4.7 percent in the previous month. The Federal Open Market Committee (FOMC) on May 03, 2017 decided to maintain the federal funds rate at 1 percent in view of positive market conditions.
- 2.11. The seasonally adjusted Markit US Manufacturing Purchasing Managers’ Index (PMI) posted 52.8 in April 2017, slightly down from 53.3 of March. The Markit U.S. Services PMI also moderated marginally to 53.1 in April 2017 from 52.8 in March 2017.

Observations: *As reported by manufacturers, growth of production and order books have slowed markedly since peaking in January, with April seeing the weakest improvements in past seven months. The signs of decreasing the pace of growth are most evident in the domestic consumer segment, but investment goods manufacturers continue to do well, benefitting from stronger capital equipment spending from the energy sector in particular. Service PMI combined with a weak manufacturing PMI reading, the surveys suggest that business activity is growing at a slower pace than seen over the first quarter as a whole. However, a rise can be expected to be seen in second quarter GDP as the official number exhibit greater seasonality than that is exhibited by PMI, with consistently weak first quarters are being followed by a rebound in subsequent periods.*

United Kingdom:

- 2.12. As per the second estimate by Office for National Statistics, the British economy grew at 0.2 percent

(Q-o-Q) in the Q1 2017, compared to 0.7 percent growth in the previous quarter. UK GDP growth in Q1 2017 saw a fall in consumer facing industries such as retail and accommodation and household spending also slowed. There was strong growth in the output of the services sector with a notable contribution in consumer-focused industries. On a Y-o-Y basis, GDP expanded 1.9 percent in the fourth quarter of 2016 following a 2 percent expansion in the previous period.

- 2.13. The CPI Inflation in the UK remain same as 2.7 percent (Y-o-Y) in April 2017 against 2.3 percent in March 2017. UK unemployment rate fell to 4.6 percent during the period January 2017 to March 2017 compared to 4.7 percent in the period December 2016 to February 2017. The Bank of England Monetary Policy Committee kept the Bank Rate at same as of 0.25 percent and left the stock of purchased assets at £435 billion on May 11th, 2017.
- 2.14. Manufacturing PMI further softened to 57.3 in April 2017 from 54.2 in March 2017. The UK Services PMI picked up to 55.8 from 55.0 in the previous month.

Observations: *Growth in new export business, as the weak sterling exchange rate helped manufacturers to take advantage of the revival in the global economy, and especially the Eurozone. Although pressure of price remains up, input cost inflation has eased significantly since hitting a record high in January. The growth strengthening and the increase in prices will bolster calls for higher interest rates but weak growth in the consumer sector is likely to remain a concern.*

Japan:

- 2.15. The Japanese economy grew 0.5 percent (Q-o-Q) in the first quarter of 2017, following a 0.3 percent expansion in the previous quarter. It was the strongest expansion since Q1 of 2016 quarter supported by private consumption, exports and an unexpected rise in capital expenditure. In Y-o-Y terms, Japanese economy grew by 1.6 percent (Y-o-Y) during Q1 of 2017 as compared to 1.7 percent (Y-o-Y) in Q4 of 2016.
- 2.16. Consumer prices in Japan increased by 0.4 percent in April 2017, compared to a 0.2 percent rise in March. This increased inflation was driven by continuous rise in the cost of food and transport prices while housing prices continued to fall.

- 2.17. The seasonally adjusted unemployment rate in Japan continued to remain unchanged at 2.8 percent in April of 2017 as compared to previous month.
- 2.18. The Bank of Japan left its key short-term interest rate unchanged at -0.1 percent at its April 2017 meeting, as expected. The policymakers also decided to maintain its 10 year Government bond yield target around 0 percent.

Observations: *A weak currency and healthy global demand are propping up economic activity in the world's third-largest economy. However, limited wage growth, uncertainty regarding economic policies in the United States and a sizeable slowdown in China could derail Japan's economic recovery.*

Euro Area (EA19)³:

- 2.19. The real GDP growth in the Euro area was recorded 1.7 percent in the Q1 of 2017 (Y-o-Y). In Q-o-Q terms, the Euro Area economy growth rate increased by 0.5 percent in Q1 of 2017 as compared to the previous quarter. Among the largest economies in the Euro area, the GDP growth of Germany, Spain and Belgium increased to 0.6 percent, 0.8 percent and 0.5 percent as compared to 0.4 percent, 0.7 percent and 0.4 percent respectively in Q4. In contrast, economic growth decelerated in France and Cyprus to 0.3 percent and 0.6 percent as compared to 0.5 percent and 0.7 percent respectively.
- 2.20. Eurozone annual inflation increased to 1.9 percent year-on-year in April 2017 from 1.5 percent increase in the previous month. The highest annual rates were recorded in Estonia (3.6 percent), Latvia (3.5 percent) and Lithuania (3.3 percent) and the lowest in Ireland (0.7 percent) and Slovakia (0.8 percent). The Inflation rose in Germany (2.0 percent), Italy (2.0 percent) and Spain (2.6 percent) while was stable in France (1.4 percent).
- 2.21. The seasonally-adjusted unemployment rate in the Eurozone dropped to 9.3 percent in April 2017, as compared to 9.4 in March 2017. This remains the lowest rate recorded in the euro area since March 2009. Among the Member States, the lowest unemployment rates were recorded in the Czech Republic (3.2 percent), Germany (3.9 percent) and Malta (4.1 percent); while the highest unemployment rates were observed in Greece (23.2 percent in February 2017) and Spain (17.8 percent).
- 2.22. The European Central Bank held its benchmark refinancing rate at 0 percent for the tenth consecutive meeting and left the pace of its bond-purchases unchanged on April 27th, as widely expected. Policymakers confirmed the monthly asset purchases will run at the current monthly pace of €80 billion until March, and from April, they are intended to continue at a monthly pace of €60 billion until the end of the year. Both the deposit rate and the lending rate were also left steady at -0.4 percent and 0.25 percent, respectively.

Observations: *Momentum is clearly firming in the Eurozone's economy. A firmer labour market and stronger economy will support the healthy expansion of the Eurozone in the coming year. The Eurozone Manufacturing PMI rose marginally to 56.7 in April of 2017 while services PMI registered 56.4 in April. The European Central Bank (ECB) decided to hold interest rates, as widely expected, at its April meeting and made no changes to its bond-buying program.*

Brazil:

- 2.23. GDP of Brazil contracted by 0.4 percent in the first quarter of 2017, performing better than market expectations. It was the twelfth straight quarter of contraction for the country but at the slowest pace in 2 years, mainly on account of decline in consumer spending and smaller investment.
- 2.24. Consumer prices in Brazil went up by 4.08 percent (Y-o-Y) in April 2017, easing down from a 4.6 percent rise in the March 2017 meeting the market expectations. The Central Bank of Brazil executed another 100 basis point cut in its benchmark SELIC rate to 10.25 percent. It is the sixth straight rate decline, bringing borrowing costs to the lowest since December of 2013 amid slowing inflation and a sticky contraction. Unemployment Rate in Brazil increased to 13.6 percent in April 2017, up from 12.6 percent rate recorded in January 2017.

³ The Eurozone or the Euro area is a monetary union of 19 of the 28 European Union (EU) member states which have adopted the euro as their common currency. The Eurozone consists of Austria, Belgium, Cyprus, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Portugal, Slovakia, Slovenia, and Spain.

China:

- 2.25. The Chinese economy expanded by 6.9 percent in the first quarter of 2017, compared to a 6.8 percent growth figure in the previous quarter, surpassing market expectations of a 6.8 percent predicted growth. This growth was supported by faster rises in industrial output, retail sales and fixed-asset investment while fiscal spending surged.
- 2.26. Consumer prices in China increased by 1.2 percent (Y-o-Y) during March 2017, following a 0.9 rise in March 2017 slightly above market expectations of 1.1 percent rise. The People's Bank of China has kept benchmark one-year lending rate unchanged at 4.35 percent and has been the same since last cut of 25 basis point in October, 2015. Unemployment rate in China fell slightly to 3.97 percent in the first quarter of 2017 from 4.02 percent in the December 2016 quarter.

Russia:

- 2.27. The Russian economy expanded 0.5 percent (Y-o-Y) in the first quarter of 2017, following 0.3 percent growth in the previous quarter. The economy is expected to return to growth in 2017 after two years of contraction as a result of recovering private consumption and fixed investment. Higher oil prices also helped strengthen up government revenues and support exports.
- 2.28. Consumer prices in Russia decreased to 4.1 percent (Y-o-Y) in April 2017, following a 4.3 percent growth in the previous month. Given the faster-than-expected decline in inflation, the Central Bank of Russia unexpectedly cut the monetary policy rate by 50 basis points to 9.25 percent at its April meeting. Russian unemployment rate declined to 5.3 percent in April of 2017 from 5.4 percent in the previous month and below market expectations of 5.5 percent.

South Africa:

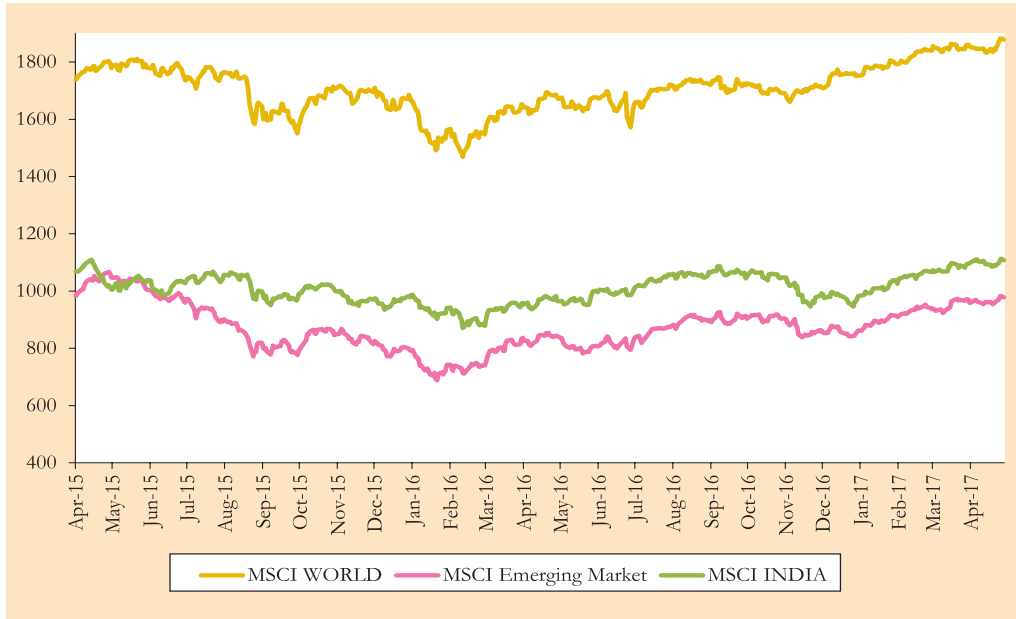
- 2.29. The South African economy advanced 1 percent (Y-o-Y) in the first quarter of 2017, higher than 0.7 percent in the previous two quarters and matching market expectations. A recovery in agriculture and stronger growth in trade, finance, real estate, business and government services drove the expansion, offsetting contraction in mining, manufacturing and utilities.

- 2.30. Consumer prices in South Africa increased 5.3 percent year-on-year in April of 2017, lower than 6.1 percent in March which was the lowest rate since December of 2015. The South African Reserve Bank kept its benchmark repo rate on hold at 7 percent at its May meeting, in line with market expectations. The unemployment rate in South Africa increased to 27.7 percent in the first quarter of 2017 from 26.5 percent in the previous period. It is the highest jobless rate since 2004.

3. Review of Global Financial Markets:

- 3.1. International stocks registered solid gains for U.S. dollar-based investors in April as sentiment improved following elections in France, strengthening economic data, and better-than-expected corporate earnings. The Bank of Japan (BoJ) left its monetary policy unchanged. The European Central Bank (ECB) kept interest rates steady and its monetary stimulus program unchanged at its April monetary policy meeting. The MSCI Emerging Markets index outperformed the MSCI World index in April 2017.
- 3.2. Emerging markets advanced in April 2017, driven by investors' search for yield and an improving global growth outlook. The International Monetary Fund (IMF) forecast that world economic growth would gain speed in the next two years after picking up in the final quarter of 2016, driven by better macroeconomic conditions in large commodity exporters, continued strong growth in China, and higher projected U.S. growth. Stable commodity prices, tame inflation, and relatively attractive valuations compared with developed markets stocks were other factors that supported demand for the asset class. The MSCI Emerging Markets Index rose for the fifth straight month to its highest level since June 2015.
- 3.3. MSCI World Index, which is a leading indicator for tracking the overall performance of stock markets in developed markets witnessed marginal increase of 1.3 percent. On the other hand, MSCI Emerging Market Index registered a increase of 2.0 percent during April 2017. MSCI India Index registered a growth of 0.9 percent over the previous month. (Chart 3).

Chart 3: Movement in MSCI World and Emerging Market Index



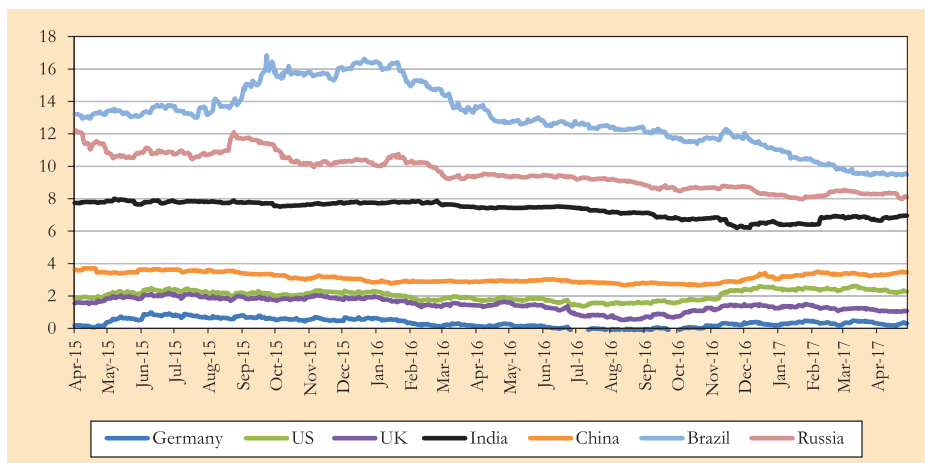
Source: Bloomberg

Bond Markets:

- 3.4. Most segments of the fixed income market generated healthy returns as U.S. Treasuries rallied, with riskier and international bonds posting the best performance. The outperformance of the riskier elements of the bond market was the result of continued economic strength and particularly encouraging political developments in France.
- 3.5. President Donald Trump’s hope that the Federal Reserve would keep interest rates low, drove Treasury yields even lower .The 10-year Treasury

- note’s yield is pushed to 2.3 percent at the end of April, as compared to the last month. U.K. 10-year gilt yields descended marginally to 1.09 percent from 1.14 percent in the previous month.
- 3.6. The 10 year German bond yields remained almost stable at 0.3 percent at the end of April 2017. The 10 year government bond yield of China has increased marginally to 3.4 percent. The yield of India ascended to 7.0 percent while the Russian bond yield fell to 8.1 percent in April 2017.

Chart 4: Movement in 10 year bond yield of major countries

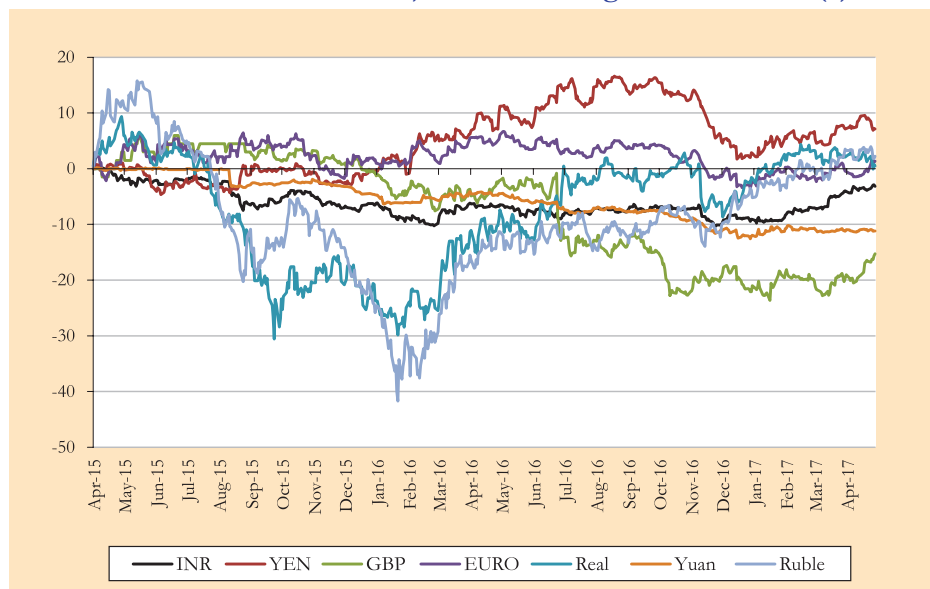


Source: Bloomberg

Currency Market:

- 3.7. During April 2017 (by comparing the closing prices of the close of last trading days of the March and April), the U.S. dollar (USD) lost against 3 out of 7 currencies evaluated against it (i.e. INR, YEN, GBP, EURO, Real, Yuan and Ruble). The currencies gained GBP (3.17 percent), Euro (1.87 percent) and INR (0.91 percent) respectively against Dollar. The currencies which lost against it were Real (1.80 percent), Ruble (1.06 percent), Yuan (0.23 percent) and Yen (0.10 percent) respectively.
- 3.8. US Dollar Index, an index representing the strength of dollar against basket of other major currencies, observed to be 99.05 on close of April 2017, it lost 1.30 percent against the basket of major currencies during April 2017, and was 3.90 percent below of the close of last trading day of 2016.
- 3.9. Comparing the closing prices of currencies in 2016 with the closing price of April, Ruble gained 7.09 percent followed by INR (5.45 percent), GBP (4.74 percent), Yen (4.48 percent), Euro (3.38 percent), Real (2.13 percent) and Yuan (0.67 percent) respectively.
- 3.10. Since the beginning of March 2015 till (closing prices of the last trading days of March 2015 and April 2017 were compared), Brazilian Real and Russian Ruble have gained 0.46 and 2.23 percent respectively against USD. During the same period, INR depreciated by 3.15 percent, and Yen gained 7.11 percent against USD. Euro gained by 1.35 percent against USD while GBP depreciated by 15.25 percent against USD. Chinese Yuan has depreciated by 11.18 percent against USD compared to the beginning of 2013.

Chart 5: Movement of major currencies against US Dollar (\$)

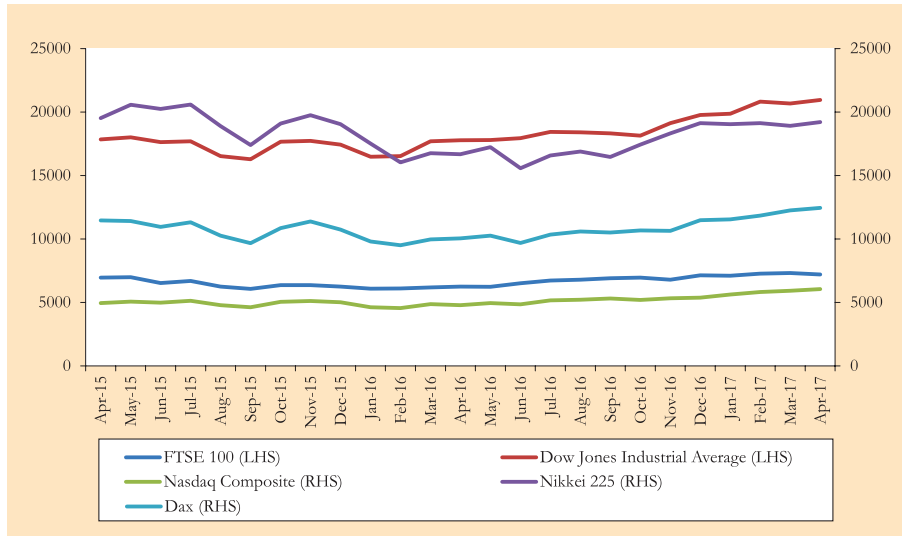


Source: Bloomberg

Trend in Market Indices:

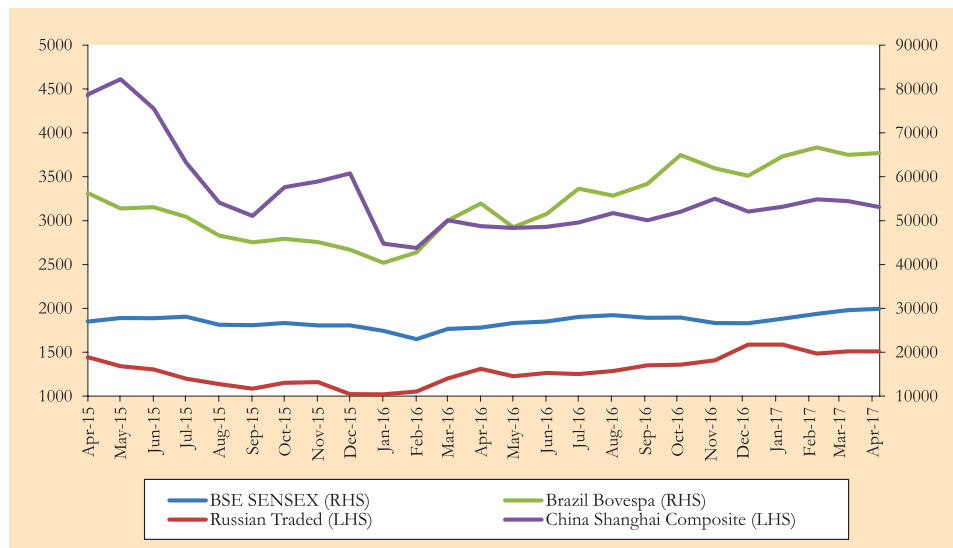
- 3.11. Major stock indices all over the world exhibited a fairly positive trend during April 2017. Amongst the developed markets CAC 40 of France witnessed a notable increase of 3.5 percent, followed by USA's Nasdaq Composite increasing by 2.3 percent and Hang Seng of Hong Kong increasing by 2.0 percent during April 2017. On the contrary, a fall of 1.6 percent was registered by FTSE 100 of UK during the similar period.
- 3.12. As regards the emerging market indices ISE National 100 led the way with an increase of 6.4 percent, followed by Budapest Stock Exchange of Hungary which increased by 4.2 percent and JSE Africa All Share of South Africa which recorded an increase of 3.4 percent during April 2017. On the contrary, a fall of 2.13 percent was registered by Hermes of Egypt, followed by Shanghai Composite of China declining by 2.11 percent and Stock Exchange of Thailand declining by 0.6 percent during the same period.

Chart 6: Trend in Major Developed Market Indices



Source: Bloomberg

Chart 7: Trend in Market Indices of BRIC Nations

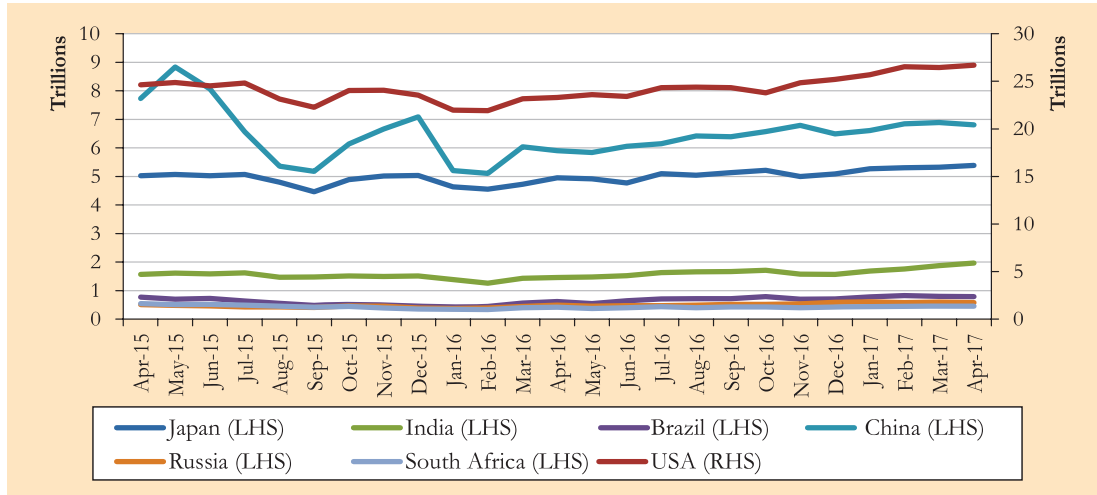


Source: Bloomberg

Market Capitalisation:

- 3.13. Market capitalisation of major countries in the world, at the end of April 2017, is given in table A6 and is illustrated in Chart 8. The market capitalisation of all the major countries decreased during the month of April 2017.
- 3.14. Among major developed markets, the market capitalisation of France, Germany and U.K increased significantly by 6.8 percent, 4.4 percent and 2.4 percent respectively during April 2017. The market capitalisation of Japan and Hong Kong increased marginally by 1.2 percent and 1.1 percent respectively at the end of April 2017.

- 3.15. As regards the emerging markets, the market capitalisation showed negative trend for most of the countries. The market capitalisation of India increased by 4.7 percent to USD 1.9 trillion while market capitalisation of China is decreased by 1.1 percent to USD 6.8 trillion. The market capitalisation of Russia descended significantly by 3.1 percent while Colombia’s market capitalisation decreased by 2.4 percent. Market capitalisation of Brazil declined by 1.7 percent while Chile came down by 0.9 percent. Turkey and South Africa showed increase in their market capitalisation and rose by 7.6 percent and 1.2 percent at the end of April 2017.

Chart 8: Trend in Market Capitalisation of Major Exchanges (US\$ Trillion)

Source: Bloomberg

Derivatives Market:

- 3.16. Among the major stock exchanges covered in the review (Table A4 & A5), during April 2017, the monthly notional turnover of index futures in CME Group was the highest at USD 4,187 billion followed by EUREX (USD 1,410 billion), Japan Exchange Group (USD 783 billion) and Hong Kong Exchanges and Clearing (USD 529 billion). In case of Index options, Korea Exchange recorded the monthly turnover of USD 3,388 billion followed by CME Group (USD 1,974 billion) and EUREX (USD 1,442 billion). Korea Exchange recorded highest number of contracts traded in Index option category, with 56.2 million contracts traded in April 2017, followed by EUREX (40.7 million contracts), Chicago Board Options Exchange (39.8 million contracts) and TAIFEX (13.5 million contracts).
- 3.17. In case of Stock Options, BM&FBOVESPA recorded highest volume (46.9 million contracts) in terms of contracts traded on the major world exchanges followed by Nasdaq - US (40.8 million contracts), Chicago Board Options Exchange (28.4 million contracts), NYSE (18.9 million contracts) and EUREX (12.5 million contracts). In case of Stock Futures, Moscow Exchange remains the number one exchange in terms of number of contracts traded with monthly volume of 17.3 million contracts, followed by Korea Exchange (16.9 million contracts), EUREX (14.1 million contracts) and Thailand Futures Exchange (2.4 million contracts).

4. Review of Indian Economy

- 4.1. As per the latest available release of Ministry of Statistics and Programme Implementation for quarterly estimates of GDP for Q4 of 2016-17. As per the estimates, quarterly GVA (Gross Value Added) at basic price for Q4 of 2016-17 has shown a growth rate of 5.6 percent (Y-o-Y). Agriculture sector's GVA at basic price has been estimated at 5.2 percent in Q4 of 2016-17 as against 1.5 percent in Q4 of 2015-16. Quarterly GVA at basic prices for Q4 of 2016-17 from manufacturing sector grew by 5.3 percent as compared to growth of 12.7 percent in Q4 of 2015-16. For the financial, real estate and professional services sector, quarterly GVA at basic prices for Q4 2016-17 grew by 2.2 percent as compared to growth of 9 percent in Q4 2015-16.
- 4.2. GDP in Q4 of 2016-17 has shown a growth rate of 7.1 percent (Y-o-Y). The World Bank has marginally kept India's economic growth forecasts to 7.2 percent and 7.5 percent for 2017 and 2018 respectively.
- 4.3. The Nikkei India Manufacturing PMI (Purchasing Managers' Index) stood at 52.5 in April same as in March. The Nikkei India Services PMI Index noted increased to 51.5 in April, from 50.2 in March, from the reading of previous month, registering an expansion for consecutive 3 months.

Exhibit 3: Quarterly Estimates of GVA (Y-o-Y) (at 2011-12 prices)

Items	2015-16	2016-17	2015-16				2016-17			
	(1 st RE)	(PE)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Agriculture & allied activities	0.7	4.9	2.4	2.3	-2.1	1.5	2.5	4.1	6.9	5.2
2. Industry										
Mining & Quarrying	10.5	1.8	8.3	12.2	11.7	10.5	-0.9	-1.3	1.9	6.4
Manufacturing	10.8	7.9	8.2	9.3	13.2	12.7	10.7	7.7	8.2	5.3
Electricity, Gas, Water Supply & Other Utility Services	5	7.2	2.8	5.7	4	7.6	10.3	5.1	7.4	6.1
3. Services										
Construction	5	1.7	6.2	1.6	6	6	3.1	4.3	3.4	-3.7
Trade, Hotel, Transport, Communication and services related to broadcasting	10.5	7.8	10.3	8.3	10.1	12.8	8.9	7.7	8.3	6.5
Financial, Real Estate & Professional Services	10.8	5.7	10.1	13	10.5	9	9.4	7	3.3	2.2
Public Administration, Defense and Other services	6.9	11.3	6.2	7.2	7.5	6.7	8.6	9.5	10.3	17
Gross Value Added at Basic Price	7.9	6.6	7.6	8.2	7.3	8.7	7.6	6.8	6.7	5.6

RE- Revised Estimates; PE- Provisional Estimates

Source: CSO

Index of Industrial Production

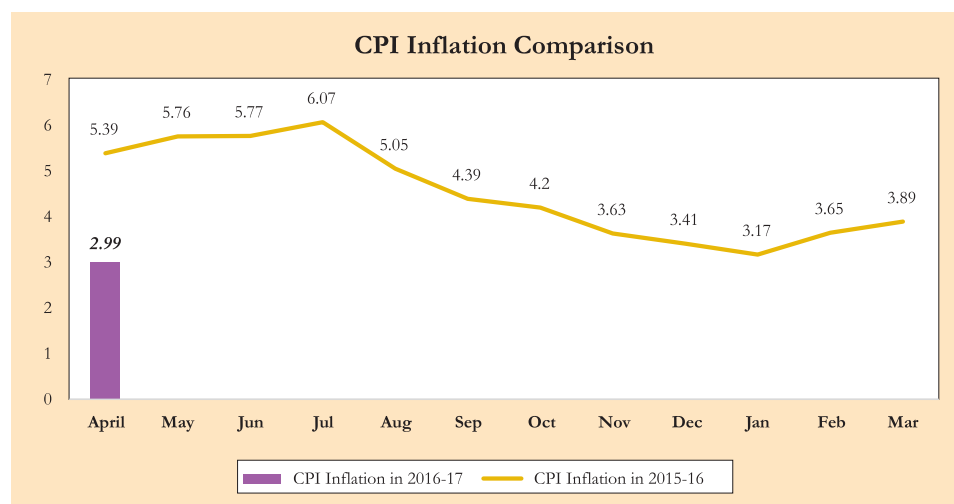
4.4. India's General Index of Industrial Production (IIP) growth by 2.7 percent in March 2017, against 5.5 percent growth recorded in March 2016 (both over the corresponding period in the previous year), with manufacturing grew by 1.2 percent as compared to its 5.0 percent growth in previous year. Electricity

grew at 6.2 percent in March as compared to 11.9 percent growth in previous year. Mining grew by 9.7 percent in March, compared to a growth of 4.7 percent in previous year. During April-March 2016-17, the IIP grew 5.0 percent, against 5.8 percent growth recorded in April-March 2015-16.

Inflation

4.5. India's CPI inflation grew by 2.99 percent in April, as compared to 3.89 percent in March. Food prices (as measured by CFPI) showed a rise of 0.61 percent

in April as compared to 2.01 percent in March. The Repo rate currently stands at 6.25 percent.

Chart 9: Inflation as measured by CPI (in percent)

Source: CSO, RBI, Office of Economic Advisor

Trade – Exports and Imports

4.6. Exports during April 2017 growing by 19.77 percent in dollar terms valued at US\$ 24.64 billion as compared to US\$ 20.57 billion during April 2016. Imports increased by 49.07 percent to USD 37.88 billion in April 2017 from 25.41 billion in April 2016. The merchandise trade deficit was USD 13.25

billion in during April, 173.47 percent higher than the deficit of USD 4.8 billion. Taking merchandise and services together, overall trade deficit for April-March 2016-17 was estimated at USD 40.98 billion, which is 16.87 percent lower than the deficit of USD 49.30 billion during April-March 2015-16.

Foreign Exchange Reserves

4.7. Since the end of April 2017, forex reserves have increased by about USD 2,777.30 million. The

reserves were recorded at USD 372.73 billion as on Apr 28, 2017. (Exhibit 4)

Exhibit 4: Foreign Exchange Reserves (USD billion)

	Apr 28, 2017	Mar 31, 2017	Feb 24, 2017	Jan 27, 2017
Total Reserves	372.7	370.0	362.8	361.6
Foreign Currency Assets	349.1	346.3	339.8	339.2
Gold	19.9	19.9	19.2	18.6
SDRs	1.5	1.4	1.4	1.4
Reserve Position in the IMF	2.3	2.3	2.3	2.3

Source: RBI

1. Annex Tables:

Table A1: Trend in major International Indices

Country	Index	As on March*, 2016	As on March*, 2017	As on April*, 2017
1	2	3	4	5
Australia	All Ordinaries	5151.8	5903.835	5947.588
France	CAC 40	4385.1	5089.64	5267.33
Germany	Dax	9965.5	12312.87	12438.01
Hong Kong HSI	Hang Seng	20776.7	24111.59	24615.13
Japan NIKKEI	Nikkei 225	16758.7	18909.26	19196.74
Singapore STI	Straits Times	2840.9	3175.11	3175.44
UK	FTSE 100	6174.9	7322.92	7203.94
USA DOW JONES	Dow Jones Industrial Average	17685.1	20663.22	20940.51
USA NASDAQ Composite	Nasdaq Composite	4869.8	5911.738	6047.606
India (BSE)	Sensex	25341.9	29620.5	29918.4
India (NSE)	Nifty 50	7738.4	9173.75	9304.05
Brazil	Bovespa	50055.3	64984.07	65403.25
Chile	Stock Market Select	3937.5	4783.42	4795.13
China	Shanghai SE Composite IX	3003.9	3222.514	3154.658
Colombia	IGBC General	9871.5	10150.68	10198.39
Egypt	Hermes	687.3	1167.812	1142.947
Hungary	Budapest Stock Exchange	26451	31634.26	32956.3
Indonesia	Jakarta Composite	4845.4	5568.106	5685.298
Malaysia	FTSE Bursa Malaysia KLCI	1717.6	1740.09	1768.06
Mexico	Bolsa	45881.1	48541.56	49261.33
Pakistan	Karachi 30	19167.5	25615.6	26004.58
Russia	Russian Traded	1203.3	1509.67	1511.65
South Africa	FTSE/JSE Africa All Share	52250.3	52056.06	53817.31
Taiwan	Taiwan Taiex	8744.8	9811.52	9872
Thailand	Stock Exchange of Thai	1407.7	1575.11	1566.32
Turkey	ISE National 100	83268	88947.4	94655.31

*Indices are as on last trading day of the month,

Source: Bloomberg

Table A2: Volatility and P/E Ratio of Major International Indices

Country	Index	Volatility (per cent)		P/E Ratio	
		Mar-17	Apr-17	Mar-17	Apr-17
1	2	3	4	5	6
Developed Markets					
Australia	All Ordinaries	0.6	0.5	16.4	16.7
France	CAC 40	0.6	1.2	15.1	15.6
Germany	Dax	0.6	0.9	14.0	14.0
Hong Kong HSI	Hang Seng	0.7	0.7	12.0	12.2
Japan NIKKEI	Nikkei 225	0.9	0.8	NA	NA
Singapore STI	Straits Times	0.6	0.4	14.7	14.6
UK	FTSE 100	0.5	0.9	14.8	14.8
USA DOW JONES	Dow Jones Industrial Average	0.5	0.5	17.2	17.3
USA NASDAQ Composite	Nasdaq Composite	0.6	0.5	22.5	23.0
Emerging Markets					
India (BSE)	S&P Sensex	0.6	0.6	21.8	19.6
India (NSE)	Nifty 50	0.6	0.5	21.9	19.5
Argentina	Indice Bolsa General	1.1	0.7	18.9	17.9
Brazil	Bovespa	1.3	1.1	12.1	12.2
Chile	Stock Market Select	0.7	0.6	17.8	17.7
China	Shanghai SE Composite IX	0.5	0.7	13.7	13.7
Colombia	IGBC General	0.6	0.4	NA	NA
Egypt	Hermes	0.9	1.0	11.3	10.6
Hungary	Budapest Stock Exchange	1.3	0.7	11.2	11.7
Indonesia	Jakarta Composite	0.5	0.6	16.5	16.2
Malaysia	FTSE Bursa Malaysia KLCI	0.5	0.3	16.5	16.7
Mexico	Bolsa	0.7	0.6	18.2	18.3
Pakistan	Karachi 30	0.7	1.1	10.8	10.9
Russia	Russian Traded	1.6	1.6	6.0	6.4
South Korea	Kospi Index	0.5	0.5	NA	NA
South Africa	FTSE/JSE Africa All Share	0.7	0.7	15.2	14.8
Taiwan	Taiwan TaieX	0.5	0.7	13.4	13.3
Thailand	Stock Exchange of Thai	0.4	0.3	15.5	15.2
Turkey	ISE National 100	0.8	0.9	8.9	9.4

NA.: Not Available

Source: Bloomberg,

Table A3: Investment Flows – New capital Raised by Shares and Bonds in the Major Exchanges

Stock Exchange	Mar-17			Apr-17		
	Bonds (USD Million)	Equity (USD Million)	Total (USD Million)	Bonds (USD Million)	Equity (USD Million)	Total (USD Million)
Australian Securities Exchange	NA	2,945	2,945	NA	3,486	3,486
BME Spanish Exchanges	NA	8,078	8,078	NA	10,683	10,683
Bolsa de Comercio de Buenos Aires	5,368	46	5,414	7,852	7	7,858
Borsa Istanbul	7,613	4	7,617	3,511	125	3,637
Euronext	NA	8,023	8,023	NA	13,167	13,167
Hong Kong Exchanges and Clearing	17,139	4,609	21,748	18,866	5,219	24,085
Irish Stock Exchange	1,869	69	1,938	2,232	3	2,234
Japan Exchange Group Inc.	13,818	5,345	19,163	5,238	718	5,956
Johannesburg Stock Exchange	3,610	934	4,543	2,040	1,177	3,217
Korea Exchange	43,122	223	43,346	46,659	41	46,699
London SE Group	44,668	NA	44,668	32,317	NA	32,317
Moscow Exchange	20,024	NA	20,024	18,464	NA	18,464
Nasdaq - US	NA	266	266	NA	474	474
Nasdaq Nordic Exchanges	4,701	345	5,046	1,503	240	1,743
NYSE	NA	10,848	10,848	NA	8,403	8,403
Oslo Bors	5,010	667	5,677	2,747	119	2,865
Shanghai Stock Exchange	NA	7,093	7,093	NA	9,319	9,319
Shenzhen Stock Exchange	675	9,476	10,151	653	8,514	9,166
Singapore Exchange	33,575	97	33,672	31,778	342	32,120
SIX Swiss Exchange	6,208	0	6,208	3,907	1,933	5,840
Tel-Aviv Stock Exchange	3,477	117	3,594	2,522	296	2,818
TMX Group	203	3,341	3,544	63	4,565	4,628
Warsaw Stock Exchange	NA	80	80	NA	571	571

NA: Not Available

Source: World Federation of Exchanges

Table A4: Monthly Turnover in Derivatives (Stock options and Stock futures) in major Stock Exchanges

Exchange	Apr-17			
	Stock options		Stock futures	
	Number of contracts traded	Notional turnover (USD Million)	Number of contracts traded	Notional turnover (USD Million)
Americas				
BM&FBOVESPA	4,69,45,530	31,181	0	0
Bolsa de Comercio de Buenos Aires	29,01,776	0	0	0
Chicago Board Options Exchange	2,83,65,950	NA	NA	NA
Nasdaq - US	4,08,24,325	NA	NA	NA
NYSE	1,88,89,660	3,458	NA	NA
Asia - Pacific				
Australian Securities Exchange	74,80,645	12,167	1,51,534	426
Hong Kong Exchanges and Clearing	53,36,909	13,511	7,304	44
Japan Exchange Group	80,197	NA	NA	NA
Korea Exchange	9,40,977	NA	1,69,38,835	14,796
TAIFEX	21,383	73	12,97,155	5,838
Thailand Futures Exchange	NA	NA	24,21,446	NA
Europe - Africa - Middle East				
Athens Derivatives Exchange	2,240	1	9,88,382	70
BME Spanish Exchanges	13,80,629	1,020	10,91,848	708
Borsa Istanbul	2,15,123	48	12,41,341	191
EUREX	1,24,93,966	54,761	1,41,34,723	60,423
Euronext	47,33,093	16,110	22,316	190
Johannesburg Stock Exchange	8,64,603	73	4,32,005	619
Moscow Exchange	2,48,653	65	1,73,28,601	4,691
Nasdaq Nordic Exchanges	16,91,969	2,868	43,723	46
Oslo Bors	0	0	0	0
Tehran Stock Exchange	3,32,156	0	0	0
Tel-Aviv Stock Exchange	62,818	367	NA	NA

NA: Not Available

Source: World Federation of Exchanges

Table A5: Monthly Turnover in Derivatives (Index options and Index futures) in major Stock Exchanges

Exchange	Apr-17			
	Stock index options		Stock index futures	
	Number of contracts traded	Notional turnover (USD Million)	Number of contracts traded	Notional turnover (USD Million)
Americas				
BM&FBOVESPA	15,11,381	15,680	1,89,92,392	1,02,827
Chicago Board Options Exchange	3,98,37,252	NA	NA	NA
CME Group	1,31,51,909	19,74,360	3,61,85,763	41,86,590
ICE Futures US	5,830	802	43,31,707	4,68,759
MexDer	1,051	26	51,243	1,125
Nasdaq - US	1,70,185	NA	NA	NA
Asia - Pacific				
Australian Securities Exchange	7,39,455	32,140	5,23,793	56,538
Hong Kong Exchanges and Clearing	22,69,386	2,06,348	54,65,693	5,28,663
Japan Exchange Group	28,09,272	NA	2,19,85,371	7,83,302
Korea Exchange	5,61,51,616	33,88,290	55,76,229	2,72,662
Singapore Exchange	4,59,445	NA	1,09,69,369	NA
TAIFEX	1,35,10,225	2,19,151	44,35,938	2,02,072
Thailand Futures Exchange	58,040	NA	14,74,352	NA
Europe - Africa - Middle Eastw				
Athens Derivatives Exchange	4,294	20	46,016	182
BME Spanish Exchanges	2,34,224	2,589	6,22,884	57,513
Borsa Istanbul	32,737	102	38,55,400	12,253
EUREX	4,07,11,885	14,42,350	2,89,36,584	14,10,310
Euronext	11,31,602	63,472	37,66,939	2,47,389
Johannesburg Stock Exchange	1,90,497	178	9,22,978	19,840
Moscow Exchange	40,19,649	7,761	1,46,98,555	30,011
Nasdaq Nordic Exchanges	3,60,880	6,426	28,36,499	50,238
Oslo Bors	0	0	0	0
Tel-Aviv Stock Exchange	22,95,754	NA	NA	NA
Warsaw Stock Exchange	18,602	110	3,25,010	3,790

NA: Not Available

Source: World Federation of Exchanges

Table A6: Market Capitalisation of major Stock Exchanges (US\$ Million)

Stock Exchange	Feb-17	Mar-17	Apr-17	M-o-M change(%)
1	2	3	4	5
Developed Markets				
Australia	12,47,883	12,76,501	12,52,435	(1.9)
France	19,59,635	20,89,366	22,31,242	6.8
Germany	19,38,153	20,12,933	21,01,156	4.4
Hong Kong	43,41,631	43,92,097	44,39,803	1.1
Japan	53,07,604	53,23,905	53,89,187	1.2
Singapore	5,15,699	5,34,994	5,32,691	(0.4)
UK	31,89,555	32,92,228	33,70,064	2.4
USA	2,65,35,725	2,64,59,999	2,66,96,106	0.9
Emerging Markets				
India	17,60,639	18,72,766	19,61,125	4.7
Argentina	74,550	79,974	79,972	(0.0)
Brazil	8,26,966	8,00,661	7,87,363	(1.7)
Chile	2,23,923	2,38,972	2,36,712	(0.9)
China	68,42,645	68,86,228	68,08,335	(1.1)
Colombia	1,03,106	1,08,731	1,06,129	(2.4)
Egypt	39,505	38,360	38,272	(0.2)
Hungary	23,232	22,886	23,585	3.1
Indonesia	4,36,879	4,52,572	4,62,364	2.2
Malaysia	3,73,187	3,88,111	4,04,250	4.2
Mexico	3,30,407	3,70,890	3,72,830	0.5
Pakistan	92,973	91,620	94,260	2.9
Russia	5,80,653	5,93,306	5,75,204	(3.1)
South Korea	13,17,014	13,87,760	13,91,297	0.3
South Africa	4,48,911	4,48,789	4,54,320	1.2
Taiwan	10,60,302	10,79,318	10,89,805	1.0
Thailand	4,27,047	4,40,985	4,36,694	(1.0)
Turkey	1,78,919	1,84,826	1,98,805	7.6

M-o-M: Month on Month.

Source: Bloomberg

Sources:

1. OECD database
2. Bureau of Economic Analysis (US)
3. Bureau of Labor Statistics (US)
4. The Conference Board (US)
5. The Federal Reserve System (US)
6. Institute for Supply Management (US)
7. Office for National Statistics (UK)
8. Bank of England (UK)
9. The Cabinet Office (Japan)
10. Statistics Bureau, Director-General for Policy Planning (Statistical Standards) (Japan)
11. Bank of Japan
12. Eurostat (EA18 and EU27)
13. European Central Bank (EA18)
14. Instituto Brasileiro de Geografia e Estatística (Brazilian Institute of Geography and Statistics)
15. Banco Central do Brasil (Central Bank of Brazil)
16. Federal State Statistics Service (Russian Federation)
17. The Central Bank of the Russian Federation
18. The Central Statistical Office (India)
19. Office of the Economic Adviser to the Government of India
20. The Reserve Bank of India
21. National Bureau of Statistics of China
22. Peoples Bank of China
23. Markit Financial Information Services
24. World Federation of Exchanges
25. Bloomberg
26. BSE Ltd.
27. The National Stock Exchange
28. The Bank of Korea
29. Bank Indonesia
30. Central Bank of The Republic of Turkey
31. IMF
32. World Bank

HIGHLIGHTS OF DEVELOPMENTS IN INTERNATIONAL SECURITIES MARKET

1. SEC Adopts JOBS Act Amendments to Help Entrepreneurs and Investors

5th April, 2017: The Securities and Exchange Commission announced that it has adopted amendments to increase the amount of money companies can raise through crowdfunding to adjust for inflation. It also approved amendments that adjust for inflation a threshold used to determine eligibility for benefits offered to “emerging growth companies” (EGCs) under the Jumpstart Our Business Startups (JOBS) Act.

“Regular updates to the JOBS Act, as prescribed by Congress, ensure that the entrepreneurs and investors who benefit from crowdfunding will continue to do so,” said SEC Acting Chairman Michael S. Piwowar. “Under these amendments, the JOBS Act can continue to create jobs and investment opportunities for the general public.”

The SEC is required to make inflation adjustments to certain JOBS Act rules at least once every five years after it was enacted on April 5, 2012. In addition to the inflation adjustments, the SEC adopted technical amendments to conform several rules and forms to amendments made to the Securities Act of 1933 (“Securities Act”) and the Securities Exchange Act of 1934 (“Exchange Act”) by Title I of the JOBS Act.

The Commission approved the new thresholds March 31. They will become effective when they are published in the Federal Register.

Source: <https://www.sec.gov/news/press-release/2017-78>

2. Payments for Bullish Articles on Stocks Must Be Disclosed to Investors

10th April, 2017: The Securities and Exchange Commission today announced enforcement actions against 27 individuals and entities behind various alleged stock promotion schemes that left investors with the impression they were reading independent, unbiased analyses on investing websites while writers were being secretly compensated for touting company stocks.

SEC investigations uncovered scenarios in which public companies hired promoters or communications firms to generate publicity for their stocks, and the firms subsequently hired writers to publish articles that did not publicly disclose the payments from the companies. The writers allegedly posted bullish articles about the companies on the internet under the guise of impartiality when in reality they were nothing more than paid advertisements. More than 250 articles specifically included false statements that the writers had not been compensated by the companies they were writing about, the SEC alleges. According to the SEC’s orders as well as a pair of complaints filed in federal district court, deceptive measures were often used to hide the true sources of the articles from investors

The SEC today released an investor alert warning that articles on an investment research website that appear to be an unbiased source of information or provide commentary on multiple stocks may be part of an undisclosed paid stock promotion. Investors should never make an investment based solely on information published on an investment research website. When making an investment decision, thoroughly research the company using multiple sources.

<https://www.sec.gov/news/press-release/2017-79>

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N.B.:

2. **NA: Not Available**
3. **1 crore = 10 million = 100 lakh.**
4. **The total provided in the Annexure and Statistical Tables June not always match with the sum total of the break-ups due to decimal differences.**
5. **The data for the current month is provisional.**

Table 1: SEBI Registered Market Intermediaries/Institutions

Market Intermediaries	2016-17	2017-18\$
Stock Exchanges (Cash Market)	5	5
Stock Exchanges (Equity Derivatives Market)	3	3
Stock Exchanges (Currency Derivatives Market)	3	3
Stock Exchanges (Commodity Derivatives Market)	12	9
Brokers (Cash Segment)*	3,192	3,188
Corporate Brokers (Cash Segment)*	2,775	2,777
Brokers (Equity Derivatives Market)	2,651	2,639
Brokers (Currency Derivatives Market)	1,985	1,985
Brokers (Debt Segment)	6	6
Brokers (Commodity Derivatives Market)	1162	1164
Sub-brokers (Cash Segment)*	30610	30,409
Foreign Portfolio Investors (FPIs)	7,807	7,947
Deemed FPIs	974	792
Custodians	19	19
Depositories	2	2
Depository Participants-NSDL	276	277
Depository Participants-CDSL	588	589
Merchant Bankers	189	189
Bankers to an Issue	64	64
Underwriters	2	2
Debtenture Trustees	32	32
Credit Rating Agencies	7	7
KYC Registration Agency (KRA)	5	5
Registrars to an Issue & Share Transfer Agents	73	73
Venture Capital Funds	198	198
Foreign Venture Capital Investors	218	219
Alternative Investment Funds	303	316
Portfolio Managers	218	230
Mutual Funds	45	45
Investment Advisors	577	640
Research Analysts	351	379
Infrastructure Investment Trusts (InVIT)	6	6
Collective Investment Management Company	1	1
Approved Intermediaries (Stock Lending Schemes)	2	2
STP (Centralised Hub)	1	1
STP Service Providers	2	2

Notes: 1. *Stock brokers/sub-brokers pertaining to active stock exchanges.

\$ indicates as on April 30, 2017

Source: SEBI, NSDL.

NA - Data not available

Table 2: Company-Wise Capital Raised through Public and Rights Issues (Equity) during April-2017

S. No.	Name of the Issuer/ Company	Date of Opening	Type of Issue	Type of Instrument	No. of Shares Issued	Face Value (₹)	Premium Value (₹)	Issue Price (₹)	Size of Issue (₹ crore)
1	Sikko Industries Ltd	5-Apr-17	IPO-SME	Equity Shares	1600000	10	22	32	5.1
2	Panache Digilife Ltd	11-Apr-17	IPO-SME	Equity Shares	1800000	10	71	81	14.6
3	Mahindra Lifespace Developers Ltd	12-Apr-17	Rights Issue	Equity Shares	10273600	10	282	292	300.0
4	KMS Medisurgi Ltd	12-Apr-17	IPO-SME	Equity Shares	900000	10	20	30	2.7
5	Vardhman Special Steels Ltd	18-Apr-17	Rights Issue	Equity Shares	13570000	10	40	50	67.9
6	InfoBeans Technologies Ltd	18-Apr-17	IPO-SME	Equity Shares	6342000	10	48	58	36.8
7	Pure Giftcarat Ltd	26-Apr-17	IPO-SME	Equity Shares	5730000	10	3	13	7.4
8	S Chand & Company Ltd	26-Apr-17	IPO	Equity Shares	10873982	5	665	670	728.6
9	CKP Products Ltd	26-Apr-17	IPO-SME	Equity Shares	1248000	10	40	50	6.2
10	Meera Industries Ltd	27-Apr-17	IPO-SME	Equity Shares	1080000	10	26	36	3.9
11	Zota Health Care Ltd	27-Apr-17	IPO-SME	Equity Shares	4680000	10	115	125	58.5

Note: 1. All the issues are compiled from the Prospectus' of Issuer Companies filed with SEBI.

Source: SEBI.

Table 3: Open Offers under SEBI Takeover Code closed during April-2017

S. No.	Target Company	Acquirer	Offer Opening Date	Offer Closing Date	Offer Size		Offer Price (₹) per share
					No. of Shares	Percent of Equity Capital	
1	SHREE WORSTEX LTD	PAWAN KUMAR MITTAL AND KIRAN MITTAL	3/30/2017	4/13/2017	11,20,000	35	11.5
2	O P CHAINS	OM PRAKASH AGARWAL, SATISH KUMAR GOYAL AND ASHOK KUMAR GOYAL	4/7/2017	4/21/2017	8,16,400	26	25.6
3	AURUM SOFT SYSTEMS LIMITED	AMARJIT SINGH KALRA	4/10/2017	4/24/2017	1,69,26,000	26	1.0
4	SADHNA BROADCAST LTD.	SADHNA MEDIA PVT LTD AND OTHERS	4/11/2017	4/25/2017	26,06,902	26	9.0
5	RAMMAICA INDIA LTD	PANKAJ HASMUKH JOBALIA AND JITENDRA SHARMA	4/11/2017	4/25/2017	25,71,750	27	6.0
6	SHIVKRUPA MACHINES AND ENGINEERING LTD.	PRITIKA INDUSTRIES LTD. AND OTHERS	4/12/2017	4/26/2017	36,93,820	27	37.5

Source: SEBI.

Table 4: Substantial Acquisition of Shares and Takeovers

Year/Month	Open Offers						Total	
	Objectives						No. of offers	Amount (₹ crore)
	Change in Control of Management		Consolidation of Holdings		Substantial Acquisition			
No. of offers	Amount (₹ crore)	No. of offers	Amount (₹ crore)	No. of offers	Amount (₹ crore)			
2016-17	42	5,338	4	78	3	366	49	5,782
2017-18\$	9	587	0	0	0	0	9	587
Apr-17	9	587	0	0	0	0	9	587

\$ indicates as on April 30, 2017

Source: SEBI.

Table 5: Capital Raised from the Primary Market through Public and Rights Issues

Year/ Month	Total			Category-wise			Issue-type			Instrument-wise								
	No. of issues	Amount (₹ crore)	No. of issues	Public		Rights		Listed		IPOs		Equities			CCPS/FCDs*		Debt	
				Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)
	At Par	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)	
2016-17	133	61,848	121	58,433	12	3,415	28	32,753	105	29,095	1	3	117	32,518	0	0	15	29,328
2017-18\$	12	3,200	10	2,833	2	368	3	2,337	9	864	0	0	11	1,232	0	0	1	1,969
Apr-17	12	3,200	10	2,833	2	368	3	2,337	9	864	0	0	11	1,232	0	0	1	1,969

Notes: 1. The total provides category-wise total of any of the three sub-categories viz. public plus rights or issuer-type (listed plus IPOs) or instrument-wise (equities plus CCPS/FCDs plus debt).
2. Amount for public debt issue for last two months is provisional and may get updated.
3. All the Issues are compiled from the Prospectus' of Issuer Companies filed with SEBI.
4. * CCPS: Compulsory Convertible Preference Shares, FCDs: Fully Convertible Debentures.
5. Equity public issues also includes issues listed on SME platform.

\$ indicates as on April 30, 2017

Source: SEBI.

Table 6: Issues Listed on SME Platform

Year/ Month	Total	
	No. of issue	Amount (₹ crore)
2016-17	79	1,105
2017-18\$	8	135
Apr-17	8	135

\$ indicates as on April 30, 2017

Source: SEBI

Table 7: Industry-wise Classification of Capital Raised through Public and Rights Issues

Industry	2017-18\$		Apr-17	
	No. of issues	Amount (₹ crore)	No. of issues	Amount (₹ crore)
Airlines	0	0	0	0
Automobile	0	0	0	0
Banking and Finance	1	1,969	1	1,969
Cement & Construction	1	300	1	300
Chemical	1	5	1	5
Consumer Services	0	0	0	0
Electrical Equipment/ Production	0	0	0	0
Engineering	0	0	0	0
Electronics	0	0	0	0
Entertainment	0	0	0	0
Financial Services	0	0	0	0
Food Processing	0	0	0	0
Healthcare and pharma	1	61	1	61
Hotels	0	0	0	0
Information Technology	2	51	2	51
Misc.	4	82	4	82
Roads & Highways	0	0	0	0
Telecommunication	0	0	0	0
Textile	1	4	1	4
Plastic	0	0	0	0
Power	0	0	0	0
Oil & Natural Gas	1	729	1	729
Insurance	0	0	0	0
Total	12	3,200	12	3,200

\$ indicates as on April 30, 2017

Source: SEBI.

Table 8: Sector-wise and Region-wise Distribution of Capital Mobilised through Public and Rights Issues

Year/ Month	Total		Sector-wise						Region-wise						
			Private			Public			Northern		Eastern		Western		Southern
	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue
2016-17	133	61,848	117	31,397	16	30,452	21	5,480	8	1,215	80	44,375	24	10,778	
2017-18\$	12	3,200	11	1,232	1	1,969	3	833	0	0	8	398	1	1,969	
Apr-17	12	3,200	11	1,232	1	1,969	3	833	0	0	8	398	1	1,969	

\$ indicates as on April 30, 2017

Source: SEBI.

Table 9: Size-wise Classification of Capital Raised through Public and Rights Issues

Year/ Month	Total		< 5 crore		≥ 5 crore - < 10 crore		≥ 10 crore - < 50 crore		≥ 50 crore - < 100 crore		≥ 100 crore	
	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)
2016-17	133	61,848	26	90	25	175	33	702	4	264	45	60,617
2017-18\$	12	3,200	2	7	3	19	2	51	2	126	3	2,997
Apr-17	12	3,200	2	7	3	19	2	51	2	126	3	2,997

\$ indicates as on April 30, 2017

Source: SEBI.

Table 10: Capital Raised by Listed Companies from the Primary Market through QIPs

Year/ Month	NSE		BSE		Common		Total	
	No. of issues	Amount (₹crore)	No. of issues	Amount (₹crore)	No. of issues	Amount (₹crore)	No. of issues	Amount (₹crore)
2016-17	0	0	0	0	20	8,464	20	8,464
2017-18\$	0	0	0	0	2	5,207	2	5,207
Apr-17	0	0	0	0	2	5,207	2	5,207

Note: The above data includes both “no. of issues” and “Amount” raised on conversion of convertible securities issued on QIP basis.

\$ indicates as on April 30, 2017

Source: BSE and NSE.

Table 11: Preferential Allotments Listed at BSE and NSE

Year/ Month	BSE		NSE		Common		Total	
	No. of issues	Amount (₹crore)	No. of issues	Amount (₹crore)	No. of issues	Amount (₹crore)	No. of issues	Amount (₹crore)
2016-17	189	3,322	16	1,220	204	39,708	409	44,251
2017-18\$	19	456	0	0	22	1,379	41	1,835
Apr-17	19	456	0	0	22	1,379	41	1,835

\$ indicates as on April 30, 2017

Source: BSE and NSE.

Table 12: Private Placement of Corporate Debt Reported to BSE and NSE

Year/ Month	NSE		BSE		Both NSE and BSE		Total	
	No. of Issues	Amount (₹crore)	No. of Issues	Amount (₹crore)	No. of Issues	Amount (₹crore)	No. of Issues	Amount (₹crore)
2016-17	1,023	2,19,721	2,177	2,54,213	177	1,66,782	3,377	6,40,716
2017-18\$	88	20,354	194	24,969	19	18,496	301	63,819
Apr-17	88	20,354	194	24,969	19	18,496	301	63,819

\$ indicates as on April 30, 2017

Source: SEBI

Table 13: Trading in the Corporate Debt Market

Year/ Month	BSE		NSE		MSEI	
	No. of Trades	Traded Value (₹ crore)	No. of Trades	Traded Value (₹ crore)	No. of Trades	Traded Value (₹ crore)
2016-17	24,372	2,92,154	64,123	11,78,509	0	0
2017-18\$	2,287	37,605	4,718	1,01,729	0	0
Apr-17	2,287	37,605	4,718	1,01,729	0	0

\$ indicates as on April 30, 2017

Source: SEBI

Table 14: Ratings Assigned for Long-term Corporate Debt Securities (Maturity \geq 1 year)

Grade	Investment Grade												Non-Investment Grade		Total
	Highest Safety (AAA)			High Safety (AA)			Adequate Safety (A)			Moderate Safety (BBB)			No. of issue	Amount (₹ crore)	
	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)					
2016-17	244	13,08,971	418	3,09,641	252	61,125	173	10,268	117	12,714	1,204	17,00,856			
2017-18\$	26	3,31,328	44	37,501	18	3,446	8	438	9	788	105	3,73,501			
Apr-17	26	3,31,328	44	37,501	18	3,446	8	438	9	788	105	3,73,501			

\$ indicates as on April 30, 2017
Source: Credit Rating Agencies.

Table 15: Review of Accepted Ratings of Corporate Debt Securities (Maturity \geq 1 year)

Grade	Upgraded		Downgraded		Reaffirmed		Rating Watch		Withdrawn/ Suspended		Total	
	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)	No. of issue	Amount (₹ crore)		
	2016-17	368	79,325	189	1,77,620	2,647	90,57,499	59	50,383	600		261,346
2017-18\$	11	19,557	14	9,679	181	8,07,639	2	1,591	64	24,349	272	8,62,816
Apr-17	11	19,557	14	9,679	181	8,07,639	2	1,591	64	24,349	272	8,62,816

\$ indicates as on April 30, 2017
Source: Credit Rating Agencies.

Table 16: Distribution of Turnover on Cash Segments of Exchanges (₹ crore)

Stock Exchanges	2016-17	2017-18\$	Apr-17
Ahmedabad	0	0	0
BSE	9,98,261	75,070	75,070
Calcutta	0	0	0
MSEI	248	3	3
NSE	50,55,913	4,72,110	4,72,110

\$ indicates as on April 30, 2017
Source: Exchanges.

Table 17: Trends in Cash Segment of BSE

Year/ Month	No. of Companies Listed	No. of Companies Permitted*	No. of companies traded	No. of Trading Days	No. of Trades (Lakh)	Traded Quantity (Lakh)	Turnover (₹ crore)	Average Daily Turnover (₹ crore)	Average Trade Size (₹)	Demat Securities Traded (Lakh)	Demat Turnover (₹ crore)	Market Capitalisation (₹ crore)	S&P BSE Sensex		
													High	Low	Close
2016-17	5,834	70	2,948	248	3,919	7,07,231	9,98,261	4,025	25,475	7,07,231	9,98,260	1,21,54,525	29,825	24,523	29,621
2017-18\$	5,828	56	2,978	18	287	57,778	75,070	4,171	26,124	57,778	75,070	1,24,84,963	30,184	29,241	29,918
Apr-17	5,828	56	2,978	18	287	57,778	75,070	4,171	26,124	57,778	75,070	1,24,84,963	30,184	29,241	29,918

Notes: 1. *Excludes Mutual Fund Schemes from Feb 2013.

2. Market capitalisation pertains to the number of companies traded.

\$ indicates as on April 30, 2017

Source: BSE .

Table 18: Trends in Cash Segment of NSE

Year/ Month	No. of Companies Listed	No. of Companies Permitted	No. of Companies Traded	No. of Trading Days	No. of Trades (Lakh)	Traded Quantity (Lakh)	Turnover (₹ crore)	Average Daily Turnover (₹ crore)	Average Trade Size (₹)	Demat Securities Traded (Lakh)	Demat Turnover (₹ crore)	Market Capitalisation (₹ crore)	Nifty 50 Index		
													High	Low	Close
2016-17	1,817	4	1,665	248	19,760	26,24,534	50,55,913	20,387	25,587	26,24,534	50,55,913	1,19,78,421	9,218	7,517	9,174
2017-18\$	1,831	4	1,668	18	1,673	2,49,260	4,72,110	26,228	28,219	2,49,260	4,72,110	1,23,03,875	9,367	9,075	9,304
Apr-17	1,831	4	1,668	18	1,673	2,49,260	4,72,110	26,228	28,219	2,49,260	4,72,110	1,23,03,875	9,367	9,075	9,304

Notes: 1. Demat turnover includes turnover of all securities which are available for trading in Demat mode.

2. Market capitalisation pertains to the number of companies traded.

\$ indicates as on April 30, 2017

Source: NSE

Table 19: City-wise Distribution of Turnover on Cash Segments of BSE and NSE

(Percentage share in Turnover)					
S.No.	City	BSE		NSE	
	Stock Exchange/City	2016-17	Apr-17	2016-17	Apr-17
1	Ahmedabad	3.2	3.3	3.0	3.5
2	Bengaluru	0.3	0.3	6.3	5.9
3	Vadodra	0.9	1.0	0.3	0.4
4	Bhubneshwar	0.0	0.0	0.0	0.0
5	Chennai	0.7	0.7	1.0	0.9
6	Ernakulum	0.1	0.1	1.1	0.9
7	Coimbatore	0.0	0.0	0.1	0.1
8	New Delhi	3.1	3.5	6.7	6.4
9	Guwahati	0.1	0.1	0.0	0.0
10	Hyderabad	0.4	0.3	3.6	3.6
11	Indore	0.3	0.4	0.5	0.6
12	Jaipur	0.6	0.8	0.5	0.5
13	Kanpur	0.3	0.4	0.1	0.1
14	Kolkata	3.5	3.7	4.8	5.2
15	Ludhiana	0.1	0.1	0.1	0.1
16	Mangalore	0.0	0.0	0.0	0.0
17	Mumbai	55.9	52.6	60.0	59.8
18	Patna	0.0	0.1	0.0	0.0
19	Pune	0.3	0.4	0.1	0.2
20	Rajkot	1.8	2.0	1.2	1.4
21	Others	28.3	29.9	10.6	10.4
	Total	100.0	100.0	100.0	100.0

Note: The city-wise distribution of turnover is based on the cities uploaded in the UCC database of the Exchange for clientele trades and member's registered office city for proprietary trades.

Source: BSE and NSE.

Table 20: Category-wise Share of Turnover in Cash Segment of BSE

Year/Month	Percentage Share in Turnover				
	Proprietary	FPI	Mutual Funds	Banks	Others
2016-17	13.5	12.9	4.6	0.1	68.9
2017-18\$	18.1	15.6	5.7	0.1	60.6
Apr-17	18.1	15.6	5.7	0.1	60.6

\$ indicates as on April 30, 2017

Source: BSE.

Table 21: Category-wise Share of Turnover in Cash Segment of NSE

Year/Month	Percentage Share in Turnover				
	Proprietary	FPI	Mutual Funds	Banks	Others
2016-17	16.9	20.3	6.2	0.4	56.6
2017-18\$	16.6	15.5	7.2	0.6	60.7
Apr-17	16.6	15.5	7.2	0.6	60.7

\$ indicates as on April 30, 2017

Source: NSE.

Table 22: Component Stocks: S&P BSE Sensex during April-2017

S. No.	Name of Security	Issued Capital (₹ crore)	Free Float Market Capitalisation (₹ crore)	Weightage (Percent)	Beta	R ²	Daily Volatility (Percent)	Monthly Return (Percent)	Impact Cost (Percent)
1	HDFC BANK	513	3,11,894	11.4	0.8	0.4	0.9	6.9	0.0
2	HDFC	318	2,43,766	8.9	1.2	0.4	1.4	2.3	0.0
3	ITC LTD.	1,215	2,36,568	8.6	0.9	0.1	2.8	-0.7	0.0
4	RELIANCE	3,251	2,30,751	8.4	0.8	0.2	1.4	5.7	0.0
5	INFOSYS LTD	1,148	1,83,727	6.7	0.7	0.1	1.3	-9.9	0.0
6	ICICI BANK	1,165	1,62,145	5.9	1.8	0.5	1.9	0.5	0.0
7	LARSEN & TOU	187	1,40,255	5.1	1.4	0.4	1.6	10.8	0.0
8	TCS LTD.	197	1,20,879	4.4	0.6	0.1	1.4	-6.5	0.0
9	STATE BANK	811	92,317	3.4	1.5	0.4	1.8	-1.1	0.0
10	TATA MOTORS	577	88,558	3.2	1.7	0.3	2.2	-1.7	0.0
11	MARUTISUZUK	151	86,734	3.2	1.2	0.4	1.5	8.3	0.0
12	AXIS BANK	479	85,334	3.1	1.3	0.3	1.8	3.8	0.0
13	SUN PHARMA.	240	69,373	2.5	0.7	0.1	1.6	-6.6	0.0
14	HIND UNI LT	216	66,757	2.4	0.6	0.2	1.1	2.7	0.1
15	MAH & MAH	311	62,166	2.3	1.0	0.3	1.3	3.9	0.1
16	ASIAN PAINTS	96	50,474	1.8	0.9	0.2	1.5	4.5	0.1
17	ONGC CORPN	6,417	50,207	1.8	0.8	0.0	2.9	0.7	0.1
18	BHARTI ARTL	1,999	46,777	1.7	0.8	0.1	1.7	1.3	0.1
19	POWER GRID	5,232	45,615	1.7	0.8	0.2	1.3	5.3	0.1
20	HEROMOTOCO	40	42,313	1.5	1.0	0.3	1.4	2.7	0.1
21	NTPC LTD	8,245	40,667	1.5	0.7	0.2	1.4	-0.9	0.1
22	BAJAJ AUTO	289	39,010	1.4	0.9	0.3	1.2	2.2	0.1
23	COAL INDIA	6,207	34,370	1.3	0.6	0.1	1.4	-5.4	0.0
24	LUPIN LTD.	90	32,013	1.2	0.8	0.1	1.6	-7.4	0.1
25	DR.REDDY'S	83	31,864	1.2	0.6	0.1	1.5	-1.3	0.1
26	WIPRO LTD.	486	31,229	1.1	0.5	0.1	1.1	-4.1	0.1
27	TATA STEEL	971	30,079	1.1	1.6	0.3	2.1	-7.0	0.0
28	ADANI PORTS	414	29,111	1.1	1.6	0.3	2.3	-3.8	0.1
29	CIPLA LTD.	161	28,220	1.0	0.5	0.1	1.4	-6.0	0.1
30	GAIL (I) LTD	846	26,518	1.0	0.7	0.0	2.5	12.6	0.1

- Notes: 1. Beta & R² are calculated for the trailing 12 months. Beta measures the degree to which any portfolio of stocks is affected as compared to the effect on the market as a whole.
2. The coefficient of determination (R²) measures the strength of relationship between two variables the return on a security versus that of the market.
3. Volatility is the standard deviation of the daily returns for the trailing 12 months.
4. Impact cost is calculated as the difference between actual buy price and ideal buy price, divided by ideal buy price, multiplied by 100. Hence ideal price is calculated as (best buy + best sell)/2.
5. The above is calculated for a month for the portfolio size of ₹ 5 lakh. It is calculated for the current month.

Source: BSE.

Table 23: Component Stocks: Nifty 50 Index during April-2017

S. No.	Name of Security	Issued Capital (₹ crore)	Free Float Market Capitalisation (₹ crore)	Weightage (Percent)	Beta	R ²	Daily Volatility (Percent)	Monthly Return (Percent)	Impact Cost (Percent)
1	HDFC BANK LTD.	512	3,12,554	9.0	0.8	0.4	0.9	7.2	0.0
2	HOUSING DEVELOPMENT FINANCE CORPORATION LTD.	317	2,43,783	7.0	1.2	0.4	1.4	2.3	0.0
3	I T C LTD.	1,213	2,35,974	6.8	1.0	0.2	1.6	-0.8	0.0
4	RELIANCE INDUSTRIES LTD.	3,244	2,30,818	6.6	0.7	0.2	1.7	5.6	0.0
5	INFOSYS LTD.	1,148	1,83,638	5.3	0.6	0.1	1.3	-10.1	0.0
6	ICICI BANK LTD.	1,164	1,62,144	4.7	1.7	0.4	1.5	0.6	0.0
7	LARSEN & TOUBRO LTD.	187	1,43,632	4.1	1.3	0.4	1.6	11.1	0.0
8	TATA CONSULTANCY SERVICES LTD.	197	1,20,935	3.5	0.6	0.1	0.9	-6.5	0.0
9	KOTAK MAHINDRA BANK LTD.	920	107,848	3.1	0.8	0.3	1.1	3.4	0.0
10	STATE BANK OF INDIA	797	92,413	2.7	1.5	0.4	1.3	-1.2	0.0
11	AXIS BANK LTD.	478	86,547	2.5	1.3	0.3	1.5	3.8	0.0
12	MARUTI SUZUKI INDIA LTD.	151	86,725	2.5	1.2	0.4	1.5	8.5	0.0
13	TATA MOTORS LTD.	577	86,125	2.5	1.7	0.3	1.1	-1.5	0.0
14	INDUSIND BANK LTD.	598	72,589	2.1	1.1	0.3	0.9	1.4	0.0
15	SUN PHARMACEUTICAL INDUSTRIES LTD.	240	70,850	2.0	0.7	0.1	1.3	-6.7	0.0
16	HINDUSTAN UNILEVER LTD.	216	66,775	1.9	0.6	0.2	1.0	2.5	0.0
17	MAHINDRA & MAHINDRA LTD.	311	62,213	1.8	1.0	0.3	1.3	3.8	0.0
18	YES BANK LTD.	456	59,535	1.7	1.4	0.4	1.6	5.4	0.0
19	OIL & NATURAL GAS CORPORATION LTD.	6,417	52,669	1.5	0.7	0.1	1.2	0.8	0.0
20	ASIAN PAINTS LTD.	96	50,512	1.5	1.0	0.2	1.2	4.4	0.0
21	BHARTI AIRTEL LTD.	1,999	46,896	1.4	0.8	0.1	1.3	1.6	0.0
22	HCL TECHNOLOGIES LTD.	282	45,954	1.3	0.5	0.1	1.1	-6.9	0.0
23	POWER GRID CORPORATION OF INDIA LTD.	5,232	45,703	1.3	0.8	0.2	1.5	5.4	0.0
24	INDIAN OIL CORPORATION LTD.	4,856	44,874	1.3	1.1	0.2	1.7	13.7	0.0
25	ULTRATECH CEMENT LTD.	274	44,318	1.3	1.2	0.4	1.3	6.6	0.0
26	HERO MOTOCORP LTD.	40	42,414	1.2	1.0	0.3	0.8	3.0	0.0
27	NTPC LTD.	8,245	40,691	1.2	0.8	0.2	1.3	-0.9	0.0
28	BAJAJ AUTO LTD.	289	38,951	1.1	0.9	0.3	0.8	2.1	0.0
29	BHARAT PETROLEUM CORPORATION LTD.	1,446	37,446	1.1	0.9	0.1	1.8	10.7	0.0
30	GRASIM INDUSTRIES LTD.	93	37,203	1.1	1.2	0.3	2.1	10.1	0.0
31	COAL INDIA LTD.	6,207	36,063	1.0	0.6	0.1	1.1	-5.5	0.0
32	EICHER MOTORS LTD.	27	34,757	1.0	1.1	0.2	1.0	1.9	0.0
33	INDIABULLS HOUSING FINANCE LTD.	85	32,754	0.9	1.3	0.3	1.4	1.9	0.0
34	LUPIN LTD.	90	32,026	0.9	0.9	0.2	1.3	-7.4	0.0
35	DR. REDDY'S LABORATORIES LTD.	83	31,446	0.9	0.5	0.1	1.3	-1.3	0.0
36	WIPRO LTD.	486	31,238	0.9	0.5	0.1	1.0	-4.2	0.0
37	TATA STEEL LTD.	971	30,106	0.9	1.6	0.3	1.4	-6.9	0.0
38	HINDALCO INDUSTRIES LTD.	224	29,068	0.8	1.6	0.2	1.9	2.2	0.0
39	ZEE ENTERTAINMENT ENTERPRISES LTD.	96	28,843	0.8	1.1	0.2	1.4	-1.6	0.0
40	CIPLA LTD.	161	28,253	0.8	0.5	0.1	0.7	-6.0	0.0
41	GAIL (INDIA) LTD.	1,691	27,247	0.8	0.8	0.1	1.4	12.5	0.0
42	ADANI PORTS AND SPECIAL ECONOMIC ZONE LTD.	414	26,467	0.8	1.6	0.3	2.2	-3.5	0.0
43	TECH MAHINDRA LTD.	487	25,969	0.8	1.0	0.2	1.3	-9.2	0.0
44	BOSCH LTD.	31	21,052	0.6	1.1	0.3	1.1	1.1	0.0
45	BHARTI INFRATEL LTD.	1,850	18,370	0.5	0.5	0.0	2.5	8.8	0.0
46	AMBUJA CEMENTS LTD.	397	18,066	0.5	1.4	0.4	1.3	3.9	0.0
47	BANK OF BARODA	461	17,718	0.5	1.4	0.2	1.8	8.4	0.0
48	AUROBINDO PHARMA LTD.	59	17,042	0.5	1.2	0.2	1.2	-10.1	0.0
49	TATA POWER CO. LTD.	270	15,277	0.4	0.9	0.2	1.1	-6.7	0.0
50	TATA MOTORS LTD DVR	102	14,238	0.4	1.7	0.3	1.2	-0.8	0.0
51	ACC LTD.	188	13,745	0.4	1.2	0.4	1.9	12.5	0.0

- Notes: 1. Beta & R² are calculated for the the trailing 12 months. Beta measures the degree to which any portfolio of stocks is affected as compared to the effect on the market as a whole.
2. The coefficient of determination (R²) measures the strength of relationship between two variables the return on a security versus that of the market.
3. Volatility is the standard deviation of the daily returns for the the trailing 12 months.
4. Impact cost is calculated as the difference between actual buy price and ideal buy price, divided by ideal buy price, multiplied by 100. Hence ideal price is calculated as (best buy + best sell)/2.
5. The above is calculated for a month for the portfolio size of ₹ 5 lakh. It is calculated for the current month.
6. As per NSE circular dated February 22, 2016, the equity securities with Differential Voting Rights (DVRs) would be eligible for inclusion in an index subject to fulfilment of the eligibility criteria laid down by NSE.

Source: NSE.

Table 24: Advances/Declines in Cash Segment of BSE and NSE

Year/ Month	BSE			NSE		
	Advances	Declines	Advance / Decline Ratio	Advances	Declines	Advance / Decline Ratio
2016-17	2,137	1,650	1.3	993	627	1.6
2017-18\$	2,511	1,077	2.3	1,327	351	3.8
Apr-17	2,511	1,077	2.3	1,327	351	3.8

Note: Advance/Decline is calculated based on the average price methodology.

Source: BSE and NSE

Table 25: Trading Frequency in Cash Segment of BSE and NSE

Month	BSE			NSE		
	No. of Companies Listed	No. of companies Traded	Percent of Traded to Listed	No. of Companies Listed	No. of companies Traded	Percent of Traded to Listed
2016-17	5,834	2,948	50.5	1,817	1,665	91.6
2017-18\$	5,828	2,978	51.1	1,831	1,668	91.1
Apr-17	5,828	2,978	51.1	1,831	1,668	91.1

Note: At NSE, number of companies traded also includes the number of companies not available for trading but permitted to trade only in the first week of every month.

\$ indicates as on April 30, 2017

Source: BSE and NSE

Table 26: Daily Volatility of Major Indices (percent)

Year/ Month	BSE Sensex	BSE 100	BSE 500	Nifty 50	Nifty Next 50	Nifty 500
2016-17	0.77	0.80	0.80	0.78	0.97	0.80
2017-18\$	0.58	0.51	0.49	0.48	0.58	0.45
Apr-17	0.58	0.51	0.49	0.48	0.58	0.45

Note: Volatility is calculated as the standard deviation of the natural log of daily returns in indices for the respective period.

\$ indicates as on April 30, 2017.

Source: BSE and NSE.

Table 27: Percentage Share of Top 'N' Securities/Members in Turnover of Cash Segment (percent)

Year/Month	BSE					NSE				
	5	10	25	50	100	5	10	25	50	100
Securities										
2016-17	10.0	15.6	28.3	41.0	55.8	10.7	19.2	33.8	48.9	67.7
2017-18\$	12.8	18.7	30.6	42.7	56.6	13.9	24.3	40.6	57.2	74.5
Apr-17	12.8	18.7	30.6	42.7	56.6	13.9	24.3	40.6	57.2	74.5
Members										
2016-17	19.4	29.4	49.3	66.1	80.4	18.5	28.9	50.7	67.9	81.7
2017-18\$	20.4	32.0	53.6	69.2	81.6	18.1	29.4	51.4	69.2	82.8
Apr-17	20.4	32.0	53.6	69.2	81.6	18.1	29.4	51.4	69.2	82.8

Note: 1. Data for Top N scrips has been compiled for all markets except Auction market & Retail Debt Market and includes series EQ, BE,BT, BL and IL.

\$ indicates as on April 30, 2017

Source: BSE and NSE

Table 28: Settlement Statistics for Cash Segment of BSE

Year/ Month	No. of Trades (Lakh)	Quantity Settled (Lakh)	Delivered Quantity (Lakh)	Percent of Delivered Quantity to Traded Quantity	Value Settled (₹ crore)	Delivered Value (₹ crore)	Percent of Delivered Value to Total Turnover	Delivered Quantity in Demat Mode (Lakh)	Percent of Demat Quantity to Total Delivered Quantity	Delivered Value in Demat Mode (₹ crore)	Percent of Demat Delivered Value to Total Delivered Value	Short Delivery (Auctioned quantity) (Lakh)	Percent of Short Delivery to Delivery Quantity	Funds Pay-in (₹ crore)	Securities Pay-in (₹ crore)	Settlement Guarantee Fund (₹ crore)
2016-17	3,919	7,07,223	3,03,782	41.9	9,98,261	4,64,996	37.4	3,03,449	99.9	4,64,970	100.0	715	0.24	1,17,490	2,98,363	149
2017-18\$	287	57,778	23,452	40.6	75,070	26,771	35.7	23,452	100.0	26,771	100.0	42	0.18	10,590	23,452	150
Apr-17	287	57,778	23,452	40.6	75,070	26,771	35.7	23,452	100.0	26,771	100.0	42	0.18	10,590	23,452	150

\$ indicates as on April 30, 2017

Source: BSE.

Table 29: Settlement Statistics for Cash Segment of NSE

Year/ Month	No. of Trades (Lakh)	Quantity Settled (Lakh)	Delivered Quantity (Lakh)	Percent of Delivered Quantity to Traded Quantity	Value Settled (₹ crore)	Delivered Value (₹ crore)	Percent of Delivered Value to Total Turnover	Delivered Quantity in Demat Mode (Lakh)	Percent of Demat Delivered Quantity to Total Delivered Quantity	Delivered Value in Demat Mode (₹ crore)	Percent of Demat Delivered Value to Total Delivered Value	Short Delivery (Auctioned quantity) (Lakh)	Percent of Short Delivery to Delivery Quantity	Funds Pay-in (₹ crore)	Securities Pay-in (₹ crore)	Settlement Guarantee Fund (₹ crore)
2016-17	19,728	25,84,979	7,25,682	28.1	49,98,106	14,79,963	29.6	7,24,495	100.0	14,78,867	100.0	1,188	0.2	4,09,422	14,79,963	197
2017-18\$	1,679	2,49,467	72,464	29.0	4,74,912	1,43,866	30.3	72,374	100.0	1,43,748	100.0	90	0.1	31,735	1,43,866	198
Apr-17	1,679	2,49,467	72,464	29.0	4,74,912	1,43,866	30.3	72,374	100.0	1,43,748	100.0	90	0.1	31,735	1,43,866	198

\$ indicates as on April 30, 2017

Source: NSE.

Table 30: Trends in Equity Derivatives Segment at BSE (Turnover in Notional Value)

Year/ Month	No. of Trading Days	Index Futures		Stock Futures		Index Options				Stock Options				Total		Open Interest at the end of month		
		No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	Call	Put	Call	Put	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Value (₹ crore)	
																		No. of Contracts
2016-17	248	32,288	2,267	2,901	203	24,433	1,255	63,916	3,214	0	0	0	0	0	1,23,538	6,939	107	8
2017-18	18	18,597	1,330	51	4	82	6	32	2	0	0	0	0	0	18,762	1,343	91	7
Apr-17	18	18,597	1,330	51	4	82	6	32	2	0	0	0	0	0	18,762	1,343	91	7

Note: 1. Notional Turnover = (Strike Price + Premium) * Quantity.

\$ indicates as on April 30, 2017

Source: BSE.

Table 31: Trends in Equity Derivatives Segment at NSE (Turnover in Notional Value)

Year/ Month	No. of Trading Days	Index Futures			Stock Futures			Index Options				Stock Options				Total		Open Interest at the end of month	
		Turnover (₹ crore)		No. of Contracts	Turnover (₹ crore)		No. of Contracts	Call		Put		Call		Put		No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)
		No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)						
2016-17	248	6,65,35,071	43,35,941	17,38,60,130	1,11,29,587	54,87,35,127	3,80,97,964	51,85,09,789	3,46,99,323	6,12,05,774	41,47,488	3,09,00,238	19,59,998	139,97,46,129	9,43,70,302	35,42,404	2,49,497		
2017-18\$	18	4,174,077	314,580	15,323,013	1,160,682	46,181,751	3,729,736	45,548,822	3,554,411	6,024,771	487,147	2,823,557	213,125	120,075,991	9,459,682	3,718,137	263,899		
Apr-17	18	41,74,077	3,14,580	1,53,23,013	11,60,682	4,61,81,751	37,29,736	4,55,48,822	3,554,411	60,24,771	4,87,147	28,23,557	2,13,125	12,00,75,991	94,59,682	37,18,137	2,63,899		

Note: 1. Notional Turnover = (Strike Price + Premium) * Quantity.

\$ indicates as on April 30, 2017

Source: NSE.

Table 32: Settlement Statistics in Equity Derivatives Segment at BSE and NSE (₹ crore)

Year/ Month	BSE						NSE							
	Index/Stock Futures			Index/Stock Options			Settlement Guarantee Fund	Total	Index/Stock Futures			Index/Stock Options		
	MTM Settlement	Final Settlement	Premium Settlement	Premium Settlement	Exercise Settlement	Total			MTM Settlement	Final Settlement	Premium Settlement	Exercise Settlement	Total	Settlement Guarantee Fund
2016-17	15	1	33	0	0	192	50	70,442	2,049	15,022	2,580	90,093	1,052	
2017-18\$	2	0	0	0	0	17	2	5,357	80	1,278	244	6,959	1,100	
Apr-17	2	0	0	0	0	17	2	5,357	80	1,278	244	6,959	1,100	

\$ indicates as on April 30, 2017

Source: BSE and NSE

Table 33: Category-wise Share of Turnover & Open Interest in Equity Derivative Segment of BSE

Month	Percentage Share in Turnover						Percentage Share in Open Interest					
	Pro	FII	Mutual Funds	Banks	Others	Total	Pro	FII	Mutual Funds	Banks	Others	Total
2016-17	72.46	0.00	0.00	0.00	27.54	100.00	65.9	0.00	0.00	0.00	34.1	100.00
2017-18	94.94	0.18	0.00	0.00	4.88	100.00	91.03	0.00	0.00	0.00	8.97	100.00
Apr-17	94.94	0.18	0.00	0.00	4.88	100.00	91.03	0.00	0.00	0.00	8.97	100.00

\$ indicates as on April 30, 2017

Source: BSE.

Table 34: Category-wise Share of Turnover & Open Interest in Equity Derivative Segment of NSE

Month	Percentage Share in Turnover					Percentage Share in Open Interest				
	Pro	FII	Mutual Funds	Banks	Others	Pro	FII	Mutual Funds	Banks	Others
2016-17	42.1	13.7	0.4	0.0	43.8	13.2	31.2	8.7	0.0	46.8
2017-18\$	41.7	10.8	0.5	0.0	47.0	14.3	26.2	9.2	0.0	50.2
Apr-17	41.7	10.8	0.5	0.0	47.0	14.3	26.2	9.2	0.0	50.2

\$ indicates as on April 30, 2017

Source: NSE.

Table 35: Instrument-wise Turnover in Index Derivatives at BSE

Month	Turnover (in Percentage)									
	BSE 30 SENSEX	BSE BANKEX	BSE OIL & GAS INDEX	BSE TECK INDEX	BSE100	HANG SENG Index Futures	MICEX Index Futures	FTSE/JSE Top 40 Futures	IBOVESPA Futures	
2016-17\$	3.3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	
2017-18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Apr-17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

\$ indicates as on April 30, 2017

Source: BSE.

Table 36: Instrument-wise Turnover in Index Derivatives at NSE

Month	Turnover (in Percentage)									
	NIFTY	CNXIT	BANKNIFTY	NIFTYMCP50	CNXPSE	CNXINFRA	FTSE100	S&P500	DJIA	India VIX
2016-17	54.5	0.0	45.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017-18\$	38.2	0.0	61.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Apr-17	38.2	0.0	61.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0

\$ indicates as on April 30, 2017
Source: NSE.

Table 37: Trends in Currency Derivatives Segment at NSE

Year/ Month	No. of Trading Days	Currency Futures		Currency Options						Total			
		No. of Contracts	Turnover (₹ crore)	Call		Put		No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	Open Interest at the end of	
				No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)					No. of Contracts	Value (₹ crore)
2016-17	242	36,26,15,931	24,89,779	20,54,84,781	13,96,641	14,43,50,727	9,70,656	71,24,51,439	48,57,076	4,734,914	30,871		
2017-18\$	18	2,76,21,713	1,81,186	1,88,53,378	1,23,279	1,44,30,861	93,539	6,09,05,952	3,98,004	4,675,628	30,260		
Apr-17	18	2,76,21,713	1,81,186	1,88,53,378	1,23,279	1,44,30,861	93,539	6,09,05,952	3,98,004	4,675,628	30,260		

Notes: 1. Trading Value :- For Futures, Value of contract = Traded Qty*Traded Price.

2. For Options, Value of contract = Traded Qty*(Strike Price+Traded Premium)

\$ indicates as on April 30, 2017

Source: NSE.

Table 38: Trends in Currency Derivatives Segment at MSEI

Year/ Month	No. of Trading Days	Currency Futures		Currency Options						Total		Open Interest at the end of	
		No. of Contracts	Turnover (₹ crore)	Call		Put		No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Value (₹ crore)
				No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)						
2016-17	242	4,22,23,837	2,85,473	9,54,966	6,433	8,77,609	6,022	4,40,56,412	2,97,928	2,32,589	1,518		
2017-18\$	18	1,471,757	9,535	57,763	378	39,504	256	1,569,024	10,170	231,735	1,504		
Apr-17	18	1,471,757	9,535	57,763	378	39,504	256	1,569,024	10,170	2,31,735	1,504		

\$ indicates as on April 30, 2017

Source: MSEI

Table 39: Trends in Currency Derivatives Segment at BSE

Year/ Month	No. of Trading Days	Currency Futures		Currency Options			Total			Open Interest at the end of	
		No. of Contracts	Turnover (₹ crore)	Call	Put	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Turnover (₹ crore)	No. of Contracts	Value (₹ crore)
2016-17	242	26,83,39,687	18,07,829	11,15,41,346	7,58,231	9,05,44,169	6,05,588	47,04,25,202	31,71,648	15,98,346	10,382
2017-18\$	18	20,518,735	132,905	17,411,265	114,293	14,234,398	91,523	52,164,398	338,721	1,456,658	9,363
Apr-17	18	2,05,18,735	1,32,905	1,74,11,265	1,14,293	1,42,34,398	91,523	5,21,64,398	3,38,721	14,56,658	9,363

\$ indicates as on April 30, 2017

Source: BSE

Table 40: Settlement Statistics of Currency Derivatives Segment (₹ crore)

Year/ Month	NSE			MSEI			BSE			Total				
	Currency Futures		Currency Options	Currency Futures		Currency options	Currency Futures		Currency Options					
	MTM Settlement	Final Settlement	Premium Settlement	Exercise Settlement	MTM Settlement	Final Settlement	Premium Settlement	Exercise Settlement	Premium Settlement		Exercise Settlement			
2016-17	5,132	193	1,098	451	562	19	15	9	605	3,594	105	2,897	223	6,819
2017-18\$	330	17	123	74	40	3	2	1	3	319	16	408	39	782
Apr-17	330	17	123	74	40	3	2	1	3	319	16	408	39	782

\$ indicates as on April 30, 2017

Source: Respective stock exchanges

Table 41: Instrument-wise Turnover in Currency Derivatives of NSE

Month	Turnover (in ₹ crore)						Open Interest as on last day of the month (in lots)					
	USDINR	EURINR	GBPINR	JPYINR	USDINR	EURINR	GBPINR	JPYINR	EURINR	USDINR	GBPINR	JPYINR
2016-17	45,07,898	99,184	1,83,699	66,296	46,06,551	67,631	43,717	17,015	67,631	46,06,551	43,717	17,015
2017-18\$	3,75,224	8,047	11,272	3,461	45,14,665	94,594	48,928	17,441	94,594	45,14,665	48,928	17,441
Apr-17	3,75,224	8,047	11,272	3,461	45,14,665	94,594	48,928	17,441	94,594	45,14,665	48,928	17,441

\$ indicates as on April 30, 2017

Source: NSE.

Table 42: Instrument-wise Turnover in Currency Derivative Segment of MSEI

Month	Turnover (₹ crore)				Open Interest as on last day of the month (in lots)			
	USDINR	EURINR	GBPINR	JPYINR	USDINR	EURINR	GBPINR	JPYINR
2016-17	2,89,589	2,173	4,392	1,773	2,26,074	1,546	3,268	1,701
2017-18\$	9,918	107	118	27	2,28,201	138	2,794	602
Apr-17	9,918	107	118	27	2,28,201	138	2,794	602

\$ indicates as on April 30, 2017

Source: MSEI

Table 43: Instrument-wise Turnover in Currency Derivative Segment of BSE

Month	Turnover (₹ crore)				Open Interest as on last day of the month (in lots)			
	USDINR	EURINR	GBPINR	JPYINR	USDINR	EURINR	GBPINR	JPYINR
2016-17	31,48,260	9,756	9,401	4,231	15,75,230	11,810	9,156	2,150
2017-18\$	3,36,520	667	1,295	239	14,45,427	6,993	2,533	1,705
Apr-17	3,36,520	667	1,295	239	14,45,427	6,993	2,533	1,705

\$ indicates as on April 30, 2017

Source: BSE

Table 44: Maturity-wise Turnover in Currency Derivative Segment of NSE (₹ crore)

Month	Currency Futures				Currency Options			
	1 Month	2 Month	3 Month	> 3 months	1 Month	2 Month	3 Month	> 3 months
2016-17	19,99,420	4,29,520	40,832	20,007	19,54,972	3,98,290	13,985	50
2017-18\$	1,35,415	39,231	4,755	1,785	1,78,367	38,199	252	1
Apr-17	1,35,415	39,231	4,755	1,785	1,78,367	38,199	252	1.09

\$ indicates as on April 30, 2017

Source: NSE.

Table 45: Maturity-wise Turnover in Currency Derivative Segment of MSEI (₹ crore)

Month	Currency Futures				Currency Options			
	1 Month	2 Month	3 Month	> 3 months	1 Month	2 Month	3 Month	> 3 months
2016-17	2,31,099	52,784	1,532	57	12,098	345	12	0
2017-18\$	7,055	2,210	271	0	527	60	47	0
Apr-16	7,055	2,210	271	0	527	60	47	0

\$ indicates as on April 30, 2017

Source: MSEI

Table 46: Maturity-wise Turnover in Currency Derivative Segment of BSE (₹ crore)

Month	Currency Futures				Currency Options			
	1 Month	2 Month	3 Month	> 3 months	1 Month	2 Month	3 Month	> 3 months
2016-17	15,70,858	2,22,642	13,202	1,118	12,21,761	1,37,287	4,461	309
2017-18\$	1,80,182	25,588	42	5	1,10,665	19,730	1,995	514
Apr-17	1,80,182	25,588	42	5	1,10,665	19,730	1,995	514

\$ indicates as on April 30, 2017

Source: BSE

Table 47: Trading Statistics of Interest Rate Futures at BSE, NSE and MSEI

Year/ Month	No. of Trading Days	BSE				NSE				MSEI			
		Interest Rate Futures		Open Interest at the end of		Interest Rate Futures		Open Interest at the end of		Interest Rate Futures		Open Interest at the end of	
		No. of Contracts	Traded Value (₹ crore)	No. of Contracts	Value (₹ crore)	No. of Contracts	Traded Value (₹ crore)	No. of Contracts	Value (₹ crore)	No. of Contracts	Traded Value (₹ crore)	No. of Contracts	Value (₹ crore)
2016-17	242	61,85,341	1,27,979	18,044	378	1,48,07,039	3,07,809	1,20,422	2,482	1,25,175	2,552	0	0
2017-18\$	18	5,34,693	11,047	13,550	279	15,96,049	32,824	88,000	1,804	0	0	0	0
Apr-17	18	5,34,693	11,047	13,550	279	15,96,049	32,824	88,000	1,804	0	0	0	0

\$ indicates as on April 30, 2017

Source: BSE, NSE and MSEI

Table 48: Settlement Statistics in Interest Rate Futures at BSE, NSE and MSEI (₹ crore)

Year/ Month	BSE			NSE			MSEI		
	MTM Settlement	Physical Delivery Settlement	Physical Delivery Settlement	MTM Settlement	Physical Delivery Settlement	Physical Delivery Settlement	MTM Settlement	Physical Delivery Settlement	Physical Delivery Settlement
2016-17	101.70	8.38	41.86	1,128.37	1.78	10.03	0.00	0.00	0.00
2017-18\$	24.58	1.25	1.78	75.89	1.78	0.00	0.00	0.00	0.00
Apr-17	24.58	1.25	1.78	75.89	1.78	0.00	0.00	0.00	0.00

\$ indicates as on April 30, 2017

Source: NSE, BSE and MSEI

Table 49: Trends in Foreign Portfolio Investment

Year/Month	Gross Purchase (₹ crore)	Gross Sales (₹ crore)	Net Investment (₹ crore)	Net Investment (US \$ mn.)	Cumulative Net Investment (US \$ mn.)
2016-17\$	15,07,028	14,58,617	48,411	7,600	231,187
2017-18\$	1,21,630	98,872	22,758	3,513	2,34,701
Apr-17	1,21,630	98,872	22,758	3,513	234,701

\$ indicates as on April 30, 2017

Source: NSDL, CDSL

Table 50: Notional Value of Offshore Derivative Instruments (ODIs) Vs Assets Under Custody (AUC) of FPIs/Deemed FPIs (₹ crore)

Year/ Month	Notional value of ODIs on Equity, Debt & Derivatives		Notional value of ODIs on Equity & Debt excluding Derivatives		Assets Under Custody of FPIs/Deemed FPIs		Notional value of ODIs on Equity, Debt & Derivatives as % of Assets Under Custody of FPIs/Deemed FPIs		Notional value of ODIs on Equity & Debt excluding Derivatives as % of Assets Under Custody of FPIs/Deemed FPIs	
	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.
2016-17	1,78,437		1,24,277		27,05,729		6.6		4.6	
2017-18\$	1,68,545		1,28,380		27,86,083		6.0		4.6	
Apr-17	1,68,545		1,28,380		27,86,083		6.0		4.6	

Notes: 1. Figures are compiled based on reports submitted by FPIs/deemed FPIs issuing ODIs.

2. Column 4 Figures are compiled on the basis of reports submitted by custodians & does not include positions taken by FPIs/deemed FPIs in derivatives.

3. The total value of ODIs excludes the unhedged positions & portfolio hedging positions taken by the FPIs/deemed FPIs issuing ODIs.

\$ indicates as on April 30, 2017

Source: SEBI.

Table 51: Assets under the Custody of Custodians

Client Period	FPIs		Foreign Depositories		FDI Investments		Foreign Venture Capital Investments		OCBs		NRIs		Mutual Funds		Corporates		Banks		Insurance Companies		Local Pension Funds		Financial Institutions	
	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)	No.	Amount (₹ crore)
2016-17	8,956	27,05,729	64	2,72,830	1,532	5,91,977	188	31,695	22	2,175	330	2,849	1,663	15,36,949	434	73,927	115	3,03,380	766	14,40,523	96	2,27,369	29	74,174
2017-18\$	8,884	27,86,083	63	2,73,676	1,541	5,87,640	190	31,662	22	2,187	334	2,944	1,646	16,64,012	436	76,734	110	3,07,675	774	14,68,849	115	2,28,106	29	75,704
Apr-17	8,884	27,86,083	63	2,73,676	1,541	5,87,640	190	31,662	22	2,187	334	2,944	1,646	16,64,012	436	76,734	110	3,07,675	774	14,68,849	115	2,28,106	29	75,704

Notes: 1. With the commencement of FPI Regime from June 1, 2014, the erstwhile FIIs, Sub Accounts and QFIs are merged into a new investor class termed as "Foreign Portfolio Investors (FPIs)".

2. "Others" include Portfolio manager, partnership firm, trusts, depository receipts, AIFs, FCCB, HUFs, Brokers etc.

\$ indicates as on April 30, 2017

Source: Custodians.

Table 52: Trends in Resource Mobilization by Mutual Funds (₹ crore)

Year/ Month	Gross Mobilisation			Redemption			Net Inflow/Outflow			Assets at the End of Period	
	Pvt. Sector	Public Sector	Total	Pvt. Sector	Public Sector	Total	Pvt. Sector	Public Sector	Total	Total	Total
2016-17	1,42,47,937	33,67,612	1,76,15,549	1,39,68,549	33,03,951	1,72,72,500	2,79,388	63,661	3,43,049	17,54,619	
2017-18\$	13,61,008	2,76,212	16,37,220	12,33,420	2,53,097	14,86,517	1,27,588	23,115	1,50,703	19,26,302	
Apr-17	13,61,008	2,76,212	16,37,220	12,33,420	2,53,097	14,86,517	1,27,588	23,115	1,50,703	19,26,302	

\$ indicates as on April 30, 2017

Source: SEBI.

Table 53: Type-wise Resource Mobilisation by Mutual Funds: Open-ended and Close-ended (₹ crore)

Scheme	2016-17			2017-18\$			Apr-17			Assets at the end of period
	Sale	Purchase	Net	Sale	Purchase	Net	Sale	Purchase	Net	
Open-ended	1,72,29,415	1,75,87,221	3,57,805	14,69,248	16,35,309	1,66,061	14,69,248	16,35,309	1,66,061	17,58,779
Close-ended	39,080	28,029	-11,051	16,859	1,910	-14,950	16,859	1,910	-14,950	1,63,333
Interval	4,005	300	-3,705	410	2	-408	410	2	-408	4,190
Total	1,72,72,500	1,76,15,549	3,43,049	14,86,517	16,37,220	1,50,703	14,86,517	16,37,220	1,50,703	19,26,302

\$ indicates as on April 30, 2017

Source: SEBI.

Table 54: Scheme-wise Resource Mobilisation and Assets under Management by Mutual Funds (₹ crore)

Type	2016-17				2017-18\$				Apr-17		
	Sale	Purchase	Net	Assets at the end of Period	Sale	Purchase	Net	Assets at the end of Period	Sale	Purchase	Net
A. Income/Debt Oriented Schemes (i+ii+iii+iv)	1,70,90,456	1,73,03,610	2,13,154	10,74,652	14,72,292	16,06,080	1,33,788	12,11,020	14,72,292	16,06,080	1,33,788
i. Liquid/Money Market	1,63,27,427	1,64,23,253	95,826	3,14,086	14,04,749	15,04,151	99,403	4,13,746	14,04,749	15,04,151	99,403
ii. Gilt	15,313	12,007	-3,305	14,875	609	147	-462	14,356	609	147	-462
iii. Debt (other than assured return)	7,47,717	8,68,350	1,20,633	7,43,783	66,934	1,01,581	34,647	7,80,797	66,934	1,01,581	34,647
iv. Debt (assured return)	0	0	0	0	0	0	0	0	0	0	0
v. Infrastructure Development	0	0	0	1,908	0	200	200	2,122	0	200	200
B. Growth/Equity Oriented Schemes (i+ii)	1,49,183	2,19,550	70,367	5,43,541	10,880	20,309	9,429	5,68,771	10,880	20,309	9,429
i. ELSS	4,527	14,624	10,097	61,403	542	1,129	587	63,800	542	1,129	587
ii. Others	1,44,656	2,04,926	60,270	4,82,138	10,338	19,180	8,842	5,04,971	10,338	19,180	8,842
C. Balanced Schemes	14,011	50,621	36,609	84,763	1,357	8,493	7,136	93,530	1,357	8,493	7,136
D. Exchange Traded Fund (i+ii)	17,282	41,335	23,278	49,915	1,933	2,324	391	51,276	1,933	2,324	391
i. Gold ETF	862	86	-775	5,480	67	1	-65	5,377	67	1	-65
ii. Other ETFs	17,282	41,335	24,054	44,436	1,866	2,322	456	45,898	1,866	2,322	456
E. Fund of Funds Investing Overseas	707	347	-360	1,747	55	15	-40	1,705	55	15	-40
Total (A+B+C+D+E)	1,72,71,638	1,76,15,463	3,43,049	17,54,619	14,86,517	16,37,220	1,50,703	19,26,302	14,86,517	16,37,220	1,50,703

\$ indicates as on April 30, 2017

Source: SEBI.

Table 55: Number of Schemes and Folios by Investment Objective

Type	2016-17						2017-18\$									
	No. of Schemes			No. of Folios			No. of Schemes			No. of Folios						
	Open	Closed	Interval	Total	Open	Closed	Interval	Total	Open	Closed	Interval	Total				
A. Income/Debt Oriented Schemes (i+ii+iii+iv)	349	1,262	64	1,675	88,70,830	11,19,944	8,881	99,99,655	347	1,145	61	1,553	89,34,939	10,88,173	8,634	1,00,31,746
i. Liquid/Money Market	52	0	0	52	7,88,860	0	0	7,88,860	51	0	0	51	8,04,604	0	0	8,04,604
ii. Gilt	41	0	0	41	86,182	0	0	86,182	41	0	0	41	85,354	0	0	85,354
iii. Debt (other than assured return)	256	1,255	64	1,575	79,95,788	11,19,893	8,881	91,24,562	255	1,137	61	1,453	80,44,981	10,88,116	8,634	91,41,731
iv. Debt (assured return)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
v. Infrastructure Development	0	7	0	7	0	51	0	51	0	8	0	8	0	57	0	57
B. Growth/Equity Oriented Schemes (i+ii)	358	126	0	484	3,93,40,247	14,85,964	0	4,08,26,211	358	128	0	486	3,98,91,445	15,19,488	0	4,14,10,933
i. ELSS	43	21	0	64	78,81,090	5,70,836	0	84,51,926	43	21	0	64	79,84,189	5,67,564	0	85,51,753
ii. Others	315	105	0	420	3,14,59,157	9,15,128	0	3,23,74,285	315	107	0	422	3,19,07,256	9,51,924	0	3,28,59,180
C. Balanced Schemes	30	0	0	30	35,48,912	0	0	35,48,912	31	0	0	31	37,03,908	0	0	37,03,908
D. Exchange Traded Fund (i+ii)	63	0	0	63	9,15,127	0	0	9,15,127	63	0	0	63	8,87,674	0	0	8,87,674
i. Gold ETF	12	0	0	12	3,64,110	0	0	3,64,110	12	0	0	12	3,60,725	0	0	3,60,725
ii. Other ETFs	51	0	0	51	5,51,017	0	0	5,51,017	51	0	0	51	5,26,949	0	0	5,26,949
E. Fund of Funds Investing Overseas	29	0	0	29	1,09,726	0	0	1,09,726	29	0	0	29	1,07,894	0	0	1,07,894
Total (A+B+C+D+E)	829	1,388	64	2,281	5,27,84,842	26,05,908	8,881	5,53,99,631	828	1,273	61	2,162	5,35,25,860	26,07,661	8,634	5,61,42,155

Note: Data for No. of Schemes also includes serial plans.

\$ indicates as on April 30, 2017

Source: SEBI.

Table 56: Trends in Transactions on Stock Exchanges by Mutual Funds (₹ crore)

Year/ Month	Equity			Debt			Total		
	Gross Purchase	Gross Sales	Net Purchase/Sales	Gross Purchase	Gross Sales	Net Purchase/Sales	Gross Purchase	Gross Sales	Net Purchase/Sales
2016-17	3,76,874	3,20,316	56,559	16,05,937	12,86,084	3,19,853	19,82,812	16,06,399	3,76,412
2017-18\$	42,814	31,569	11,244	1,34,337	78,404	55,933	1,77,151	1,09,973	67,177
Apr-17	42,814	31,569	11,244	1,34,337	78,404	55,933	1,77,151	1,09,973	67,177

\$ indicates as on April 30, 2017

Source: SEBI

Table 57: Asset Under Management by Portfolio Manager

Year/Month	2016-17			2017-18\$		
	Discretionary	Non-Discretionary	Advisory	Discretionary#	Non-Discretionary	Advisory*
No. of Clients	70,994	4,674	1,482	76,322	4,935	1,528
	AUM (₹ in crore)					
Listed Equity	73,913	13,623		80,501	14,208	
Unlisted Equity	683	43		595	51	
Plain Debt	8,66,613	52,884		894,610	53,609	
Structured Debt	282	544		214	567	
Equity Derivative	188	0	188,385	199	35	186,399
Mutual Fund	8,688	7,563		8,445	9,697	
Others	16,670	404		16,431	549	
Total	9,67,036	75,061		10,00,994	78,716	
Total of all Services	11,89,243			12,66,109		

Notes: 1. *Value of Assets for which Advisory Services are being given.

2. #Of the above AUM Rs. 8,73,855 Crore is contributed by funds from EPFO/PFs.

3. The above data is based on the monthly reports received from portfolio managers.

\$ indicates as on April 30, 2017

Source: SEBI.

Table 58: Progress Report of NSDL & CDSL as on end of April-2017 (Listed Companies)

Parameter	Unit	NSDL				CDSL				
		Apr-17	Mar-17	Apr-16	% Change during the year	Apr-17	Mar-17	Apr-16	% Change during the year	
Number of companies signed up to make their shares available for dematerialization	Number	6,314	6,301	6,181	2.15	6,556	6,540	6,402	2.41	0.24
Number of Depository Participants (registered)	Number	265	264	270	-1.85	589	588	583	1.03	0.17
Number of Stock Exchanges (connected)	Number	3	3	4	-25.00	3	3	3	0.00	0.00
Number of Investors Accounts	Lakhs	157	156	146	7.22	124	123	109	14.11	1.30
Quantity of Shares dematerialized	crore	45,183	45,155	41,577	8.68	13,356	13,457	12,413	7.60	-0.75
Value of Shares dematerialized	₹ crore	1,07,34,788	1,04,29,665	84,06,712	27.69	16,03,341	15,40,851	11,80,578	35.81	4.06
Quantity of Securities dematerialized #	crore	47,804	47,837	43,728	9.32	14,081	14,166	12,845	9.63	-0.60
Value of Securities dematerialized #	₹ crore	1,29,75,265	1,26,20,243	1,02,49,313	26.60	1,68,2478	1,620,385	1,238,787	35.82	3.83
Quantity of shares settled during the month	crore	1,070	1,545	743	44.01	737	915	403	82.87	-19.45
Average Quantity of shares settled daily (quantity of shares settled during the month (divided by 30))	crore	36	52	25	44.01	25	33	13	82.87	-24.82
Value of shares settled during the month in dematerialized form	₹ crore	2,43,197	4,76,568	1,48,120	64.19	74,051	88,836	35,640	107.77	-16.64
Average Value of shares settled daily (value of shares settled during the month (divided by 30))	₹ crore	8,107	15,886	4,937	64.19	2,468	3,173	1,188	107.77	-22.20
Training Programmes conducted for representatives of Corporates, DPs and Brokers	Number	15	14	6	150.00	71	67	38	86.84	5.97
The ratio of dematerialized equity shares to the total outstanding shares (market value)	percent	84.79	84.89	85.56	-0.90	14	13	13	6.83	0.96

Notes: 1. Shares includes only equity shares.

2. Securities include common equity shares, preference shares, debenture, MF units, etc.

3. No. of days taken for calculating Daily Average is 30 days instead of Actual settlement days.

4. Quantity and value of shares mentioned are single sided. 5. #Source for listed securities information: Issuer/ NSE/BSE.

Source: NSDL and CDSL.

Table 59: Progress of Dematerialisation at NSDL and CDSL (Listed and Unlisted Companies)

Year/ Month	NSDL					CDSL				
	Companies Live	DPs Live	DPs Locations	Demat Quantity (million securities)	Demat Value (₹ crore)	Companies Live	DPs Live	DPs Locations	Demat Quantity (million securities)	Demat Value (₹ crore)
2016-17	17,835	264	27,389	13,17,620	1,46,48,687	9,887	588	17,489	2,55,227	17,73,585
2017-18\$	18,039	265	27,380	13,36,754	1,26,60,053	9,934	589	17,481	2,53,521	18,30,695
Apr-17	18,039	265	27,380	13,36,754	1,26,60,053	9,934	589	17,481	2,53,521	18,30,695

Notes : 1. For CDSL, the current and historical data of Companies Live has been revised to exclude MF schemes count.

2. The Companies Live figure includes only the number of mutual fund companies and not the mutual fund schemes.

3. DPs Locations' represents the total live (main DPs and branch DPs as well as non-live (back office connected collection centres).

\$ indicates as on April 30, 2017

Source: NSDL and CDSL.

Table 60: Depository Statistics for April-2017

Particulars	Unit	Debt		Equity		Others		Total	
		Listed	Unlisted	Listed	Unlisted	Listed	Unlisted	Listed	Unlisted
NSDL									
Issuers(debt)/ Companies(equity), who have issued the active instrument	Number	753	1,194	6,314	9,081	61	3,517	7,128	13,792
Active Instruments	Number	11,830	4,832	12,663	9,588	7,329	29,463	31,822	43,883
Dematerialised Quantity	Lakh	1,06,058	2,67,233	45,18,347	61,12,818	1,55,956	22,07,125	47,80,361	85,87,176
Dematerialised Value	₹ crore	21,67,404	3,01,558	1,07,34,788	5,82,328	73,073	11,14,503	1,29,75,265	19,98,389
Quantity settled during the month	Lakh	3,400	3,789	1,07,020	0	1,552	1,322	1,11,972	5,110
Value Settled during the month	₹ crore	2,73,236	76,375	2,43,197	0	1,584	320	5,18,018	76,695
CDSL									
Issuers(debt)/ Companies(equity), who have issued the active instrument	Number	564	306	6,556	2,472	2,546	382	9,666	3,160
Active Instruments	Number	9,523	1,418	6,663	2,621	19,214	1,457	35,400	5,496
Dematerialised Quantity	Lakh	2,991	24,900	13,35,595	9,72,161	69,528	1,30,032	14,08,115	11,27,094
Dematerialised Value	₹ crore	54,357	23,569	16,03,341	1,04,257	24,779	20,391	16,82,478	1,48,218
Quantity settled during the month	Lakh	28	0	73,677	0	6,570	0	80,275	0
Value Settled during the month	₹ crore	957	0	74,051	0	3,792	0	78,800	0

Note: The categories included in Others are Preference Shares, Mutual Fund Units, Warrants, PTCs, Treasury Bills, CPs, CDs and Government Securities.

Source: NSDL and CDSL.

Table 61: Number of Permitted Commodities for trading and number of contracts available for trading

Exchanges	Agriculture	Metals other than bullion	Bullion	Energy
NCDEX				
Permitted for trading	20	2	1	1
Contracts floated	20	2	1	0
Traded	17	0	0	0
MCX				
Permitted for trading	7	5	2	2
Contracts floated	7	5	2	2
Traded	7	5	2	2
NMCE				
Permitted for trading	12	0	0	0
Contracts floated	12	0	0	0
Traded	7	0	0	0
COC, Hapur (Regional Exchange)				
Permitted for trading	1	0	0	0
Contracts floated	1	0	0	0
Traded	1	0	0	0

Source: NCDEX, MCX, NMCE and COC Hapur.

Table 62: Trends in Commodity Indices

Year/ Month	MCX COMDEX				NCDEX Dhaanya			
	Open	High	Low	Close	Open	High	Low	Close
2016-17	2,731	3,435	2,674	3,243	2,870	3,412	2,897	3,081
2017-18\$	3,244	3,291	3,110	3,148	3,107	3,185	3,014	3,019
Apr-17	3,244	3,291	3,110	3,148	3,107	3,185	3,014	3,019

\$ indicates as on April 30, 2017

Source: MCX and NCDEX

Table 63: Trends in Commodity Futures at MCX

Year/ Month	No. of Trading days	Agriculture			Metals			Bullion			Energy			Total			Open interest at the end of the period			
		Volume (’000 tonnes)	No of contracts	Turnover (crore)	Volume (’000 tonnes)	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)*	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)
2016-17	260	15,947	30,87,740	139,312	93,078	6,44,21,776	17,53,887	207	3,71,51,550	20,40,270	6,74,225	11,78,49,477	19,32,191	7,83,457	22,25,10,543	58,65,661	540	2,84,204	9,230	
2017-18\$	19	1,079	1,95,664	9,267	6,867	48,66,800	1,35,572	11	19,08,513	1,00,565	39,029	69,62,917	1,18,856	46,987	1,39,33,894	3,64,260	553	3,23,663	9,003	
Apr-17	19	1,079	1,95,664	9,267	6,867	48,66,800	1,35,572	11	19,08,513	1,00,565	39,029	69,62,917	1,18,856	46,987	1,39,33,894	3,64,260	553	3,23,663	9,003	

\$ indicates as on April 30, 2017

“Notes: 1. The following commodities are considered in each category:

Agriculture: Cardamom, Cotton, Crude Palm Oil, Castorseed, RBD Palmolein and Mentha Oil ; Metals: Aluminium, Copper, Lead, Nickel, Zinc and their variants; Bullion: Gold, Silver and their variants; Energy: Brent Crude Oil, Crude Oil, Crude Oil Mini, Natural Gas.

2. *Natural Gas volumes are in mm BTU and is not included for computing the Total Volume and Total Open Interest in ‘000 tonnes”

Source: MCX

Table 64: Trends in Commodity Futures at NCDEX

Year/ Month	No. of Trading days	Agriculture			Bullion			Total			Open interest at the end of the period		
		Volume (’000 tonnes)	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)	No of contracts	Turnover (₹ crore)	Volume (’000 tonnes)	No. of Contracts	Value (₹ crore)
2016-17	260	1,28,790	1,77,50,779	5,96,530	0.0012	1,182	322	1,28,790	1,77,51,961	5,96,852	1,065	1,26,453	4,878
2017-18\$	19	9,238	10,84,152	43,955	0.00	0.00	0.00	9,238	10,84,152	43,955	1,036	1,18,879	4,605
Apr-17	19	9,238	10,84,152	43,955	0.00	0.00	0.00	9,238	10,84,152	43,955	1,036	1,18,879	4,605

\$ indicates as on 30 April 2017

Note: The following commodities are considered in each category:

Agriculture : Barley, CastorSeed, Cottonseed Oilcake, Coriander, Cotton, Guar gum 5 MT, Guarseed 10 MT, Jeera, Kapas, Rape/Mustardseed, Shankar Kapas, Sugar Medium, Soyabean, Soymeal, Refined Soy Oil, Turmeric, Wheat, Maize, Rape/Mustard Oilcake;

Bullion: Gold, Silver and their variants;

Source: NCDEX

Table 65: Trends in Commodity Futures at NMCE

Year/ Month	No. of Trading days	Agriculture			Open interest at the end of the period		
		Volume ('000 tonnes)	No of contracts	Turnover (₹ crore)	Volume ('000 tonnes)	No of contracts	Value (₹ crore)
2016-17	247	5,564	12,30,289	28,442	4.82	3,328	51.23
2017-18\$	18	470	1,35,463	2,367	3.87	2,710	40.95
Apr-17	18	470	1,35,463	2,367	3.87	2,710	40.95

\$ indicates as on April 30, 2017

Note : Agricultural commodities of Rubber, Castor Seed, Pepper, Guarseed, Rape/Mustard Seed, Isabgul Seed and Raw Jute are traded at NMCE.

Source: NMCE

Table 66: Category-wise Share in Turnover at MCX and NCDEX (percent)

Year/ Month	Percentage Share in Turnover at MCX				Percentage Share in Turnover at NCDEX	
	Agriculture	Metals	Bullion	Energy	Agriculture	Bullion
2016-17	2.38	29.90	34.78	32.94	99.94	0.06
2017-18\$	2.54	37.22	27.61	32.63	100.00	0.00
Apr-17	2.54	37.22	27.61	32.63	100.00	0.00

\$ indicates as on April 30, 2017

Source: MCX and NCDEX

Table 67: Category-wise Percentage Share of Turnover & Open Interest at MCX

Year/ Month	Turnover				Open Interest at the end of period			
	Agriculture Commodities		Non-Agriculture Commodities		Agriculture Commodities		Non-Agriculture Commodities	
	Pro	Client	Pro	Client	Pro	Client	Pro	Client
2016-17	35.3	64.7	19.6	80.4	10.7	89.3	18.2	81.8
2017-18\$	36.5	63.5	19.7	80.3	10.9	89.1	21.8	78.2
Apr-17	36.5	63.5	19.7	80.3	10.9	89.1	21.8	78.2

\$ indicates as on April 30, 2017

1. All trades executed under client codes other than *OWN* (proprietary account) is treated as client trades and is computed at client Level.
2. All Commodities falling under the category of Energy, Bullion and Metals are treated as Non-Agri. whereas other commodities are treated as Agri.
3. Profile of participants as hedgers or otherwise is not available with the Exchange

Source: MCX

Table 68: Category-wise Percentage Share of Turnover & Open Interest at NCDEX

Year/ Month	Turnover (Percent)					Open Interest at the end of period (Percent)				
	Agriculture Commodities			Non-Agriculture Commodities		Agriculture Commodities			Non-Agriculture Commodities	
	Pro	Client	Hedgers	Pro	Client	Pro	Client	Hedgers	Pro	Client
2016-17	41.6	58.2	0.3	73.6	26.4	20.7	78.3	1.0	0.0	0.0
2017-18\$	39.5	60.3	0.2	0.0	0.0	21.2	77.7	1.1	0.0	0.0
Apr-17	39.5	60.3	0.2	0.0	0.0	21.2	77.7	1.1	0.0	0.0

\$ indicates as on April 30, 2017

Source: NCDEX

Table 69: Category-wise Percentage Share of Turnover & Open Interest at NMCE

Year/ Month	Turnover		Open Interest at the end of Period	
	Pro	Client	Pro	Client
2016-17	4.8	95.2	1.0	99.0
2017-18\$	2.9	97.1	0.9	99.1
Apr-17	2.9	97.1	0.9	99.1

\$ indicates as on April 30, 2017

Note: Profile of participants as hedgers or otherwise is not available with the Exchange

Source: NMCE

Table 70: Commodity-wise Trends at MCX

Sr.No	Name of the Commodity	2017-18\$		Apr-16		Mar-17		Apr-17	
		Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)
A	Bullion								
1	Gold	0.20	57,055.57	0.39	114,564.22	0.24	67,998.80	0.20	57,055.57
2	Silver	10.50	43,509.43	21.21	82,801.99	10.72	44,700.78	10.50	43,509.43
	Total for A	10.69	100,565.00	21.60	197,366.20	10.96	112,699.58	10.69	100,565.00
B	Metals other than Bullion								
1	Aluminium	918.8	11,468.2	1,122.6	11,822.9	1,092.9	13,732.2	918.8	11,468.2
2	Copper	891.8	32,976.6	1,067.7	34,339.2	940.9	36,357.8	891.8	32,976.6
3	Lead	1,959.6	28,135.4	2,113.6	24,449.4	2,278.5	34,203.4	1,959.6	28,135.4
4	Nickel	226.9	14,183.0	200.7	11,969.4	251.5	16,990.5	226.9	14,183.0
5	Zinc	2,870.4	48,808.8	3,202.8	39,517.2	3,365.8	61,735.9	2,870.4	48,808.8
	Total for B	6,867.5	135,571.9	7,707.5	122,098.0	7,929.6	163,019.7	6,867.5	135,571.9
C	Agricultural commodities								
1	Cardamom	0.7	82.4	2.4	180.1	1.0	144.1	0.7	82.4
2	Castorseed	0.1	0.2	0.0	0.0	0.5	2.0	0.1	0.2
3	Cotton	373.6	4,620.6	373.4	3,758.4	545.8	6,862.3	373.6	4,620.6
4	CPO	672.7	3,350.5	1,066.0	5,955.6	941.5	4,924.0	672.7	3,350.5
5	Kapas	0.0	0.0	0.1	0.5	0.0	0.1	0.0	0.0
6	Mentha Oil	11.4	1,102.3	17.5	1,475.7	13.5	1,360.0	11.4	1,102.3
7	RBD Palmolein	20.7	111.3	0.0	0.0	0.0	0.0	20.7	111.3
	Total for C	1,079.1	9,267.3	1,459.5	11,370.3	1,502.3	13,292.5	1,079.1	9,267.3
D	Energy								
1	Crude Oil	39,029.3	94,650.3	69,851.0	139,925.4	50,546.9	121,806.2	39,029.3	94,650.3
2	Natural Gas (trln. Btu)	1,165.9	24,205.6	1,613.5	21,901.4	1,502.1	29,554.6	1,165.9	24,205.6
	Total for D*	39,029.3	118,855.9	69,851.0	161,826.8	50,546.9	151,360.8	39,029.3	118,855.9
	Grand Total (A+B+C+D)	46,986.6	364,260.1	79,039.5	492,661.4	59,989.8	440,372.5	46,986.6	364,260.1

\$ indicates as on April 30, 2017

Note : *Natural Gas volumes are in Trillion BTU and is not included for computing the Total Volume in '000 tonnes

Conversion factors: Cotton (1 Bale=170 kg), Crude Oil (1 Tonne = 7.33Barrels)

Source : MCX

Table 71: Commodity-wise Trends at NCDEX

Sr.No	Name of Commodity	2017-18\$		Apr-16		March, 2017		Apr-17	
		Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)
A	Bullion								
1	Gold	0.00	0.00	0.17	49.71	0.00	0.00	0.00	0.00
2	Gold hedge	0.00	0.00	0.76	199.95	0.00	0.00	0.00	0.00
	Total for A	0.00	0.00	0.93	249.66	0.00	0.00	0.00	0.00
B	Agricultural commodities								
1	Barley	28.5	45.1	149.5	232.3	8.0	12.5	28.5	45.1
2	Castorseed	900.8	4355.6	0.0	0.0	2282.8	10382.4	900.8	4355.6
3	Chana	0.0	0.0	1407.4	7271.5	0.0	0.0	0.0	0.0
4	Chilli	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
5	Cotton seed oil cake	1167.7	2428.4	1236.3	2866.1	1398.1	3101.1	1167.7	2428.4
6	Cotton	0.0	0.0	7.2	70.0	0.0	0.0	0.0	0.0
8	Coriander	445.4	3210.7	204.3	1463.4	336.4	2400.9	445.4	3210.7
9	Guar seed	2142.2	8597.4	1969.0	6732.4	3271.9	12684.6	2142.2	8597.4
10	Guargum	583.7	4959.8	488.7	2919.6	890.3	7265.8	583.7	4959.8
11	Jeera	267.6	5140.5	283.2	4719.4	235.7	4142.0	267.6	5140.5
12	Kapas	184.0	936.7	279.2	1097.1	594.8	3191.1	184.0	936.7
13	Maize	28.5	40.3	117.7	146.4	13.3	18.8	28.5	40.3
14	RM Seed	910.0	3515.4	2689.3	11949.3	1239.7	4864.0	910.0	3515.4
15	RM Cake	7.6	14.0	0.0	0.0	0.0	0.0	7.6	14.0
17	Sugar	6.1	22.9	1118.1	3900.5	19.0	71.0	6.1	22.9
18	Soya bean	1516.1	4505.0	2257.0	9371.8	2129.8	6219.9	1516.1	4505.0
19	Soya oil	855.9	5313.3	2246.6	14944.4	1380.5	8875.2	855.9	5313.3
20	Soyameal	0.7	1.6	0.0	0.0	4.3	10.0	0.7	1.6
21	Turmeric	119.5	746.4	332.8	2801.4	115.1	754.9	119.5	746.4
22	Wheat	73.7	121.9	68.7	113.0	50.0	83.0	73.7	121.9
	Total for B	9237.9	43954.8	14855.1	70598.4	13969.7	64077.5	9237.9	43954.8
	Grand Total (A+B)	9237.9	43954.8	14855.1	70848.1	13969.7	64077.5	9237.9	43954.8

Source : NCDEX

\$ indicates as on April 30, 2017

Table 72: Commodity-wise Trends at NMCE

Sr.No	Name of the Commodity	2017-18\$		Apr-16		Mar-17		Apr-17	
		Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)	Volume ('000 tonnes)	Value (₹ crore)
1	Castorseed	47.0	226.7	93.5	295.5	110.5	500.7	47.0	226.7
2	Guarseed	80.6	323.0	9.2	31.4	120.4	466.6	80.6	323.0
3	Isabgulseed	43.2	516.1	31.5	360.4	47.3	560.5	43.2	516.1
4	Pepper	0.00	0.0	0.2	10.7	0.0	0	0.0	0.0
5	Pepper Mini	0.03	1.8	0	0	0.03	2.0	0.03	1.8
6	Rape/mustardseed	161.5	551.3	123.4	471.7	220.4	745.8	161.5	551.3
7	Raw jute	120.3	495.1	73.7	437.7	173.0	725.5	120.3	495.1
8	Rubber	17.4	252.9	27.6	372.4	23.8	357.5	17.4	252.9
	Total	470.0	2,366.9	359.1	1,979.7	695.6	3,358.5	470.0	2,366.9

Source : NMCE

\$ indicates as on April 30, 2017

Table 73: Macro Economic Indicators

I. GDP at constant prices (2011-12 prices) for 2015-16 (₹ crore)*						1,13,81,002
II. Gross Saving as a percent of Gross national Disposable Income at current market prices in 2015-16 @						31.6
III. Gross Capital Formation as a percent of GDP at current market prices in 2015-16@						33.2
IV. Monetary and Banking Indicators	December	January	February	March	April	
	2016	2017	2017	2017	2017	
Cash Reserve Ratio (percent)	4.0	4.0	4.0	4.0	4.0	
Repo Rate (percent)	6.25	6.25	6.75	6.25	6.25	
Money Supply (M3) (₹ crore)	1,20,44,950	1,21,56,100	1,23,08,280	1,28,39,080	1,26,82,860	
Aggregate Deposit (₹ crore)	1,05,16,240	1,04,95,280	1,04,86,720	1,08,05,150	1,05,91,720	
Bank Credit (₹ crore)	73,48,060	74,17,780	74,85,250	78,81,890	76,31,500	
V. Interest Rate						
Call Money Rate (Weighted Average)	6.12	5.98	6.73	5.97	6.00	
91-Day-Treasury Bill (Primary Yield)	6.27	6.23	7.35	5.82	6.19	
Base rate (percent)	9.30-9.65	9.25-9.65	9.30-9.70	9.25-9.60	9.10/9.60	
Term Deposit Rate > 1 year (Maximum)	6.50-7.00	6.50-7.00	7.00-7.90	6.50-7.00	6.50/7.00	
VI. Capital Market Indicators (₹ crore)						
Turnover (BSE+NSE)	3,96,652	4,69,883	5,44,630	8,45,347	5,47,181	
Market Cap-BSE	1,06,23,347	1,12,56,330	1,17,59,367	1,21,54,525	1,24,84,963	
Market Cap-NSE	1,04,39,621	1,10,47,315	1,15,62,210	1,19,78,421	1,23,03,875	
Net FPI Investment in Equity	-8,176	-1,177	9,902	30,906	2,394	
VII. Exchange Rate and Reserves						
Forex Reserves (USD million)	3,60,297	3,61,558	3,62,793	3,69,955	3,72,732	
Re/ Dollar	67.95	68.20	68.78	64.84	64.22	
Re/Euro	71.6	72.75	76.04	69.25	69.88	
Forward Premia of USD 6-month	4.44	4.68	6.86	4.90	5.61	
VIII. Public Borrowing and Inflation						
Govt. Market Borrowing-Gross (₹ crore) 2016-17	5,02,000	5,49,000	5,82,000	5,82,000	48,000	
Wholesale Price Index (2011-12=100)	182.8	184.6	185.5	113.2	112.8	
Consumer Price Index (2012 =100)	130.4	130.3	130.6	130.8	131.1	
IX. Index of Industrial Production (y-o-y) percent (Base year 2011-12 = 100)						
General	184.0	192.3	182.3	132.8	114.4	
Mining	144.8	146.1	140.6	127.9	95.9	
Manufacturing	189.9	200.5	190.1	132.2	114.9	
Electricity	194.7	195.6	182.5	147.9	142.9	
X. External Sector Indicators (USD million)						
Exports	23,885	22,115	24,490	29,232	24,635	
Imports	34,254	31,956	33,387	39,669	37,884	
Trade Balance	-10,369	-9,841	-8,896	-10,437	-13,249	

Notes: 1.* Advance estimates; Data as per the new series released by MOSPI

2. CPI Data is being released on Base 2012=100 from January 2015 by MOSPI

3. @ First Revised Estimates

4. WPI & IIP base year changed from 2004-05 to 2011-12 from March 2017 onwards

Source : RBI, MOSPI, Ministry of Commerce & Industry.

PUBLICATIONS

1. Annual Report : 2015-16
2. Handbook of Statistics, 2016

Interested persons may contact Publication Division, Department of Economic and Policy Analysis of SEBI to obtain a copy of Annual Report/Handbook of Statistics at the following address:

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