

Date: August 3, 2018

To,

Listing Department

National Stock Exchange of India Limited

Exchange Plaza, 5th Floor, Plot No. C/1

G Block, Bandra-Kurla Complex, Bandra (E)

Mumbai – 400 051

Scrip Code: BSE

ISIN: INE118H01025

Sub: Investor Presentation August 2018

Dear Sir/Madam,

With reference to above captioned subject, please find attached herewith Investor presentation August 2018.

The same will also be available on the website of the Company at www.bseindia.com.

This is for your information and records.

For **BSE Limited**



Prajakta Powle

Company Secretary & Compliance Officer

Encl: a/a



BSE Limited

Investor Presentation – August 2018

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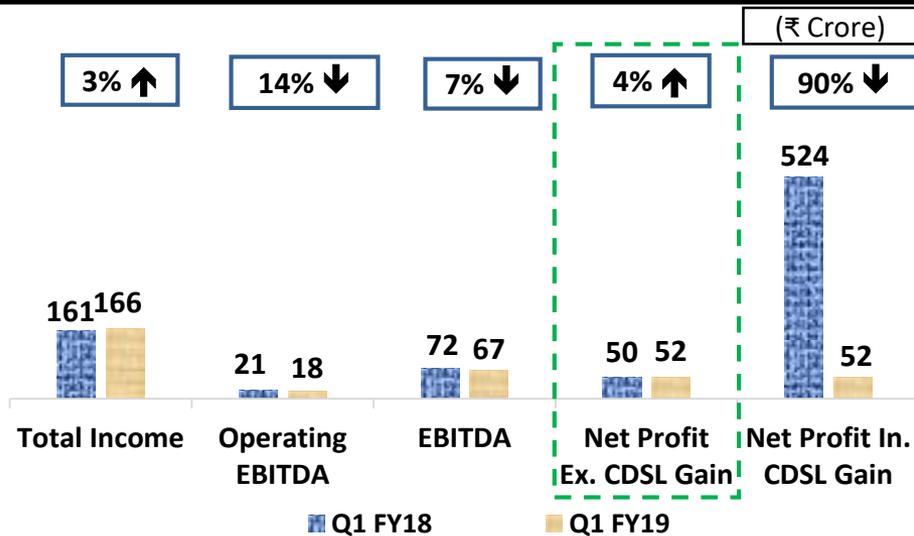
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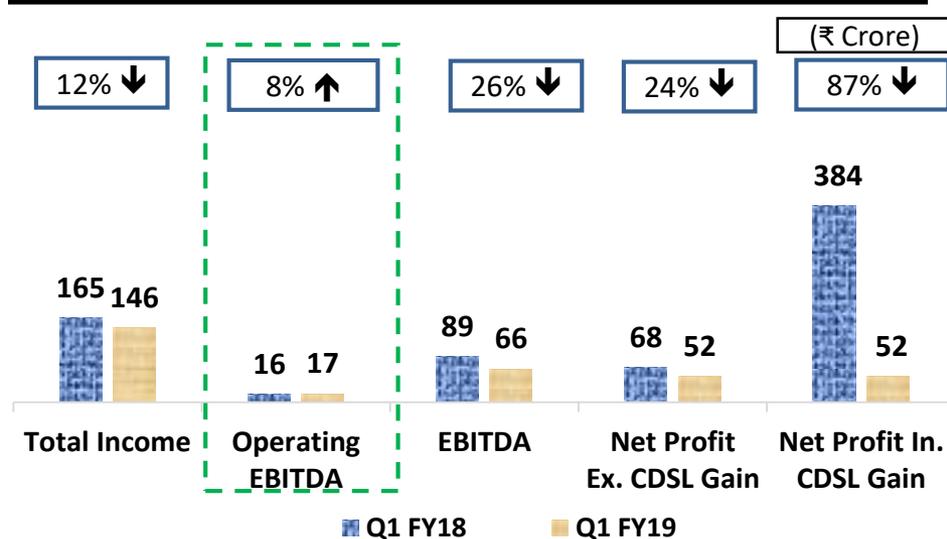
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Performance Highlights - Quarter ended June 30, 2018

Consolidated



Standalone



KEY FIGURES

	Jun'17	Jun'18
Net Worth (₹ crore)	3,169	3,079
Book Value per share (₹)	580	584
Return on Equity excluding CDSL	6.84%	6.65%
Operating EBITDA Margin*	19%	15%
EBITDA Margin #	44%	40%
Net Margin (Excluding CDSL)	31%	31%
EPS before Excp. items (₹) (Excluding CDSL)	9.11	9.98
EPS after Excp. items (₹) (Including CDSL)	95.94	9.64

KEY FIGURES

	Jun'17	Jun'18
Net Worth (₹ crore)	2,814	2,714
Book Value per share (₹)	515	515
Return on Equity excluding CDSL	10.46%	7.59%
Operating EBITDA Margin*	17%	18%
EBITDA Margin #	54%	45%
Net Margin (Excluding CDSL)	41%	35%
EPS before Excp. items (₹) (Excluding CDSL)	12.52	9.76
EPS after Excp. items (₹) (Including CDSL)	70.42	9.69

* Excluding Investment Income, Other Income and before Interest Expense, Depreciation & Tax #Before Interest Expense, Depreciation and Tax

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Overview

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Business

3

State-of-the-art Infrastructure and Technology

4

Recent Initiatives & Growth Drivers

5

Performance Highlights

Evolution Of The Exchange - Key Milestones



1875 To 1995

•The Native Share & Stock Broker's Association formed

•BSE granted permanent recognition under Securities Contracts (Regulation) Act (SCRA)

•S&P BSE SENSEX , country's first equity index launched

•BSE On-Line Trading (BOLT) system introduced

1996 To 2005

•Equity Derivatives introduced

•Index Options launched

•**BSE becomes a Corporate Entity**

2006 To 2010

•**Currency Derivatives Introduced**

•First to introduce Mobile-based Trading

2011 To 2014

•Launch of Currency Derivatives (BSE CDX)

•Launch of Interest Rate Futures (BSE – IRF)

•Launch of Institutional Trading Platform on BSE SME

•BSE Launches New Debt Segment

•Launch of Equity Segment on BOLT Plus with Median Response Time of 200 (µs)

•**BSE listed cos market cap crosses landmark 100 lakh crore**

2015 To 2016

•BSE celebrated its 140th Foundation Day

•**BSE becomes the fastest exchange in the world with a median response speed of 6 microseconds**

•BSE announces commencement of trading of Sovereign Gold Bonds

•Shri Arun Jaitley, Hon'ble Minister of Finance Unveiled the Commemorative Postage Stamp Celebrating 140 glorious years of BSE

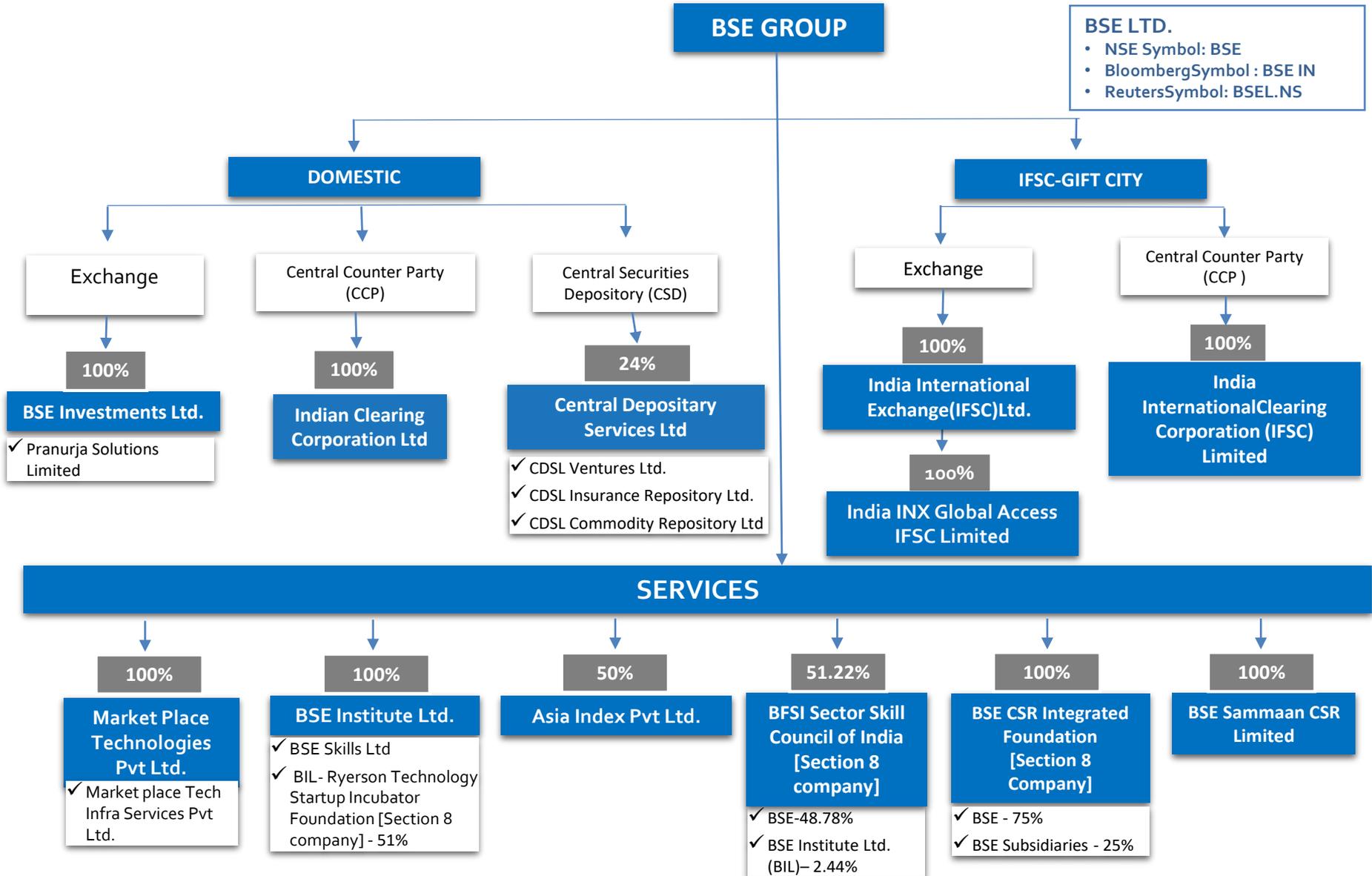
2017 To 2018

•Hon'ble Prime Minister of India, Shri Narendra Modi inaugurated India International Exchange (IFSC) Ltd, India's 1st International Exchange

•**BSE becomes India's 1st listed Stock Exchange**

•**BSE completes Buyback of its Equity Shares, reducing issued equity share capital by 3.70%.**

•**Introduced weekly futures and options contracts on USDINR currency pair**



STRATEGIC INVESTORS



TECHNOLOGY



T7 Trading System from
Eurex Exchange, subsidiary
of Deutsche Boerse

INDEX BUSINESS

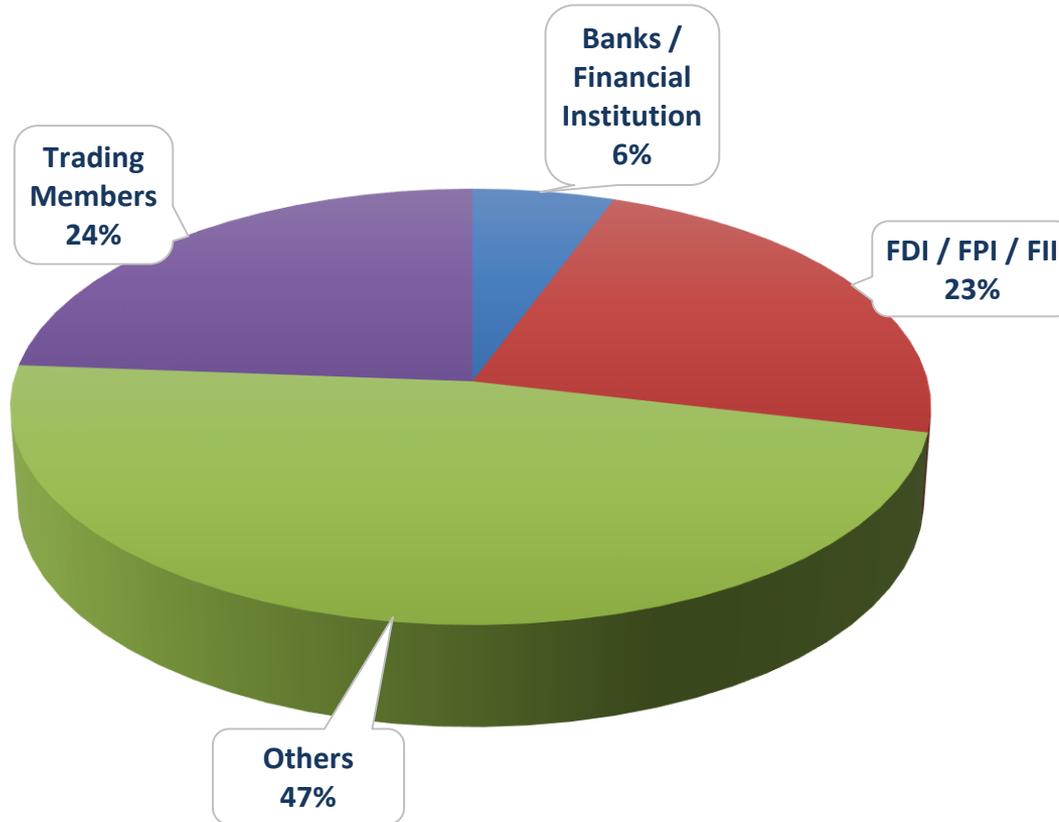


a joint venture with S&P Dow Jones
Indices for development and
marketing of index products

INSURANCE DISTRIBUTION

BSE EBIX Insurance Broking Private Ltd
JV with EBIX to deploy an insurance
distribution exchange platform

* As at June 30, 2018



SOME KEY SHAREHOLDERS

Deutsche Boerse AG	4.89%
Life Insurance Corporation of India	4.84%
Siddharth Balachandran	3.07%
IDFC Group	2.84%
State Bank of India	2.41%
GKFF Ventures	2.36%
Caldwell India Holding Inc.	2.25%
Jupiter India Fund	2.09%
Acacia Banyan Partners Limited	1.93%
ICICI Prudential Group	1.67%
Wellington Investor Group	1.43%
Aditya Birla Group	1.15%
MSPL Limited	1.15%
Chanakya Investor Group	1.04%
S Gopalakrishnan	1.02%

Paid up Capital ₹103.8 million | Face Value per share ₹ 2/- each

Experienced Board of Directors

Name	On BSE Board since	Bio	Name	On BSE Board since	Bio
 <p>S Ravi <i>Chairman and Public Interest Director</i></p>	2016	<ul style="list-style-type: none"> Promoter and Managing Partner of Ravi Rajan & Co., Chartered Accountants Former Director of UCO Bank 	 <p>Vikramajit Sen <i>Public Interest Director</i></p>	2016	<ul style="list-style-type: none"> Previously, acting Chief Justice – High Court of Karnataka and later appointed as Judge, Supreme Court of India
 <p>Ashishkumar Manilal Chauhan <i>Managing Director and CEO</i></p>	2012	<ul style="list-style-type: none"> Previously, Group Chief Information Officer, Reliance Industries Limited Chairperson of the Board of Governors of National Institute of Technology, Manipur 	 <p>Rajeshree Rajnikant Sabnavis <i>Shareholder Director</i></p>	2015	<ul style="list-style-type: none"> Founder, Rajeshree Sabnavis & Associates Co-Chairperson of Direct Taxation Committee and Invitee Member on the Managing Committee of the Bombay Chamber of Commerce
 <p>Sumit Bose <i>Public Interest Director</i></p>	2016	<ul style="list-style-type: none"> Previously, Member of the Expenditure Management Commission Former Union Finance Secretary and Revenue Secretary in the Ministry of Finance, Government of India 	 <p>Sriprakash Kothari <i>Shareholder Director</i></p>	2014	<ul style="list-style-type: none"> Deputy Dean and Gordon Y Billard Professor of Accounting and Finance at Massachusetts Institute of Technology
 <p>Subhash S. Mundra <i>Public Interest Director</i></p>	2018	<ul style="list-style-type: none"> Former Deputy Governor, Reserve Bank of India Former Chairman & Managing Director of Bank of Baroda 	 <p>David Wright <i>Public Interest Director</i></p>	2018	<ul style="list-style-type: none"> Secretary General of the International Organization of Securities Commissions (IOSCO) commenced on 15 March 2012. From March 2000 – October 2010 he was first Director, then Deputy Director-General for securities and financial markets.
 <p>Usha Sangwan <i>Shareholder Director</i></p>	2015	<ul style="list-style-type: none"> Managing Director, Life Insurance Corporation of India 			

Experienced Management Team



Name	Since	Bio
 Ashishkumar Manilal Chauhan <i>Managing Director and CEO</i>	2009	<ul style="list-style-type: none"> B Tech in Mechanical Engineering from IIT Bombay and a PGDM from IIM Kolkata He is one of the founders of India's National Stock Exchange ("NSE") where he worked from 1992 to 2000. He is best known as the father of modern financial derivatives in India due to his work at NSE Represents BSE as the Chairman on the Executive Board of the South Asian Federation of Exchanges. Previously, Group Chief information officer, Reliance Industries Limited

 Nehal Vora <i>Chief Regulatory Officer</i>	2009	<ul style="list-style-type: none"> Prior to joining BSE, worked with various departments in SEBI More than 19 years of experience in the area of legal and compliance. He has previously worked at the Securities and Exchange Board of India (SEBI) for 10 years and as Director, Law & Compliance at DSP Merrill Lynch Ltd heading Broking and Investment Banking Compliance
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Name	Since	Bio
 Nayan Mehta <i>Chief Financial Officer</i>	2012	<ul style="list-style-type: none"> Prior to joining BSE, Credit Analysis & Research Ltd. as Joint General Manager (Accounts), CFO at Multi Commodity Exchange of India Limited and has also worked at the National Stock Exchange. Heads Finance & Accounts, Treasury and Taxation Functions at BSE He represents BSE on the Boards of group companies and joint ventures of BSE and as a member of the Qualified Audit Review Committee of SEBI.
 Neeraj Kulshrestha <i>Chief of Business Operations</i>	2015	<ul style="list-style-type: none"> Prior to BSE he was an Executive Director in Morgan Stanley India for 10 years. He was earlier with National Stock Exchange and has managed various functions like Trading Operations, Inspection and Investigation, Futures and Options Clearing and Trading. He was also the CEO of India Index Services Ltd. and Dotex International Ltd Heads Trading, Listing, Membership Operations and listing sales. 27 year experience in Capital markets, which includes Securities Markets and General Insurance.
 Kersi Tavadia <i>Chief Information Officer</i>	2010	<ul style="list-style-type: none"> Prior to joining BSE, employed with Log-in Utility and InvestSmart Financial Services Limited 30 years of experience in the area of Application Systems/ IT Infrastructure development and management, managing all aspects of IT operations in Financial Services, Capital markets and manufacturing companies. He has played a leading role in transforming BSE into the fastest exchange in the country

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Overview

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Business

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State-of-the-art Infrastructure and Technology

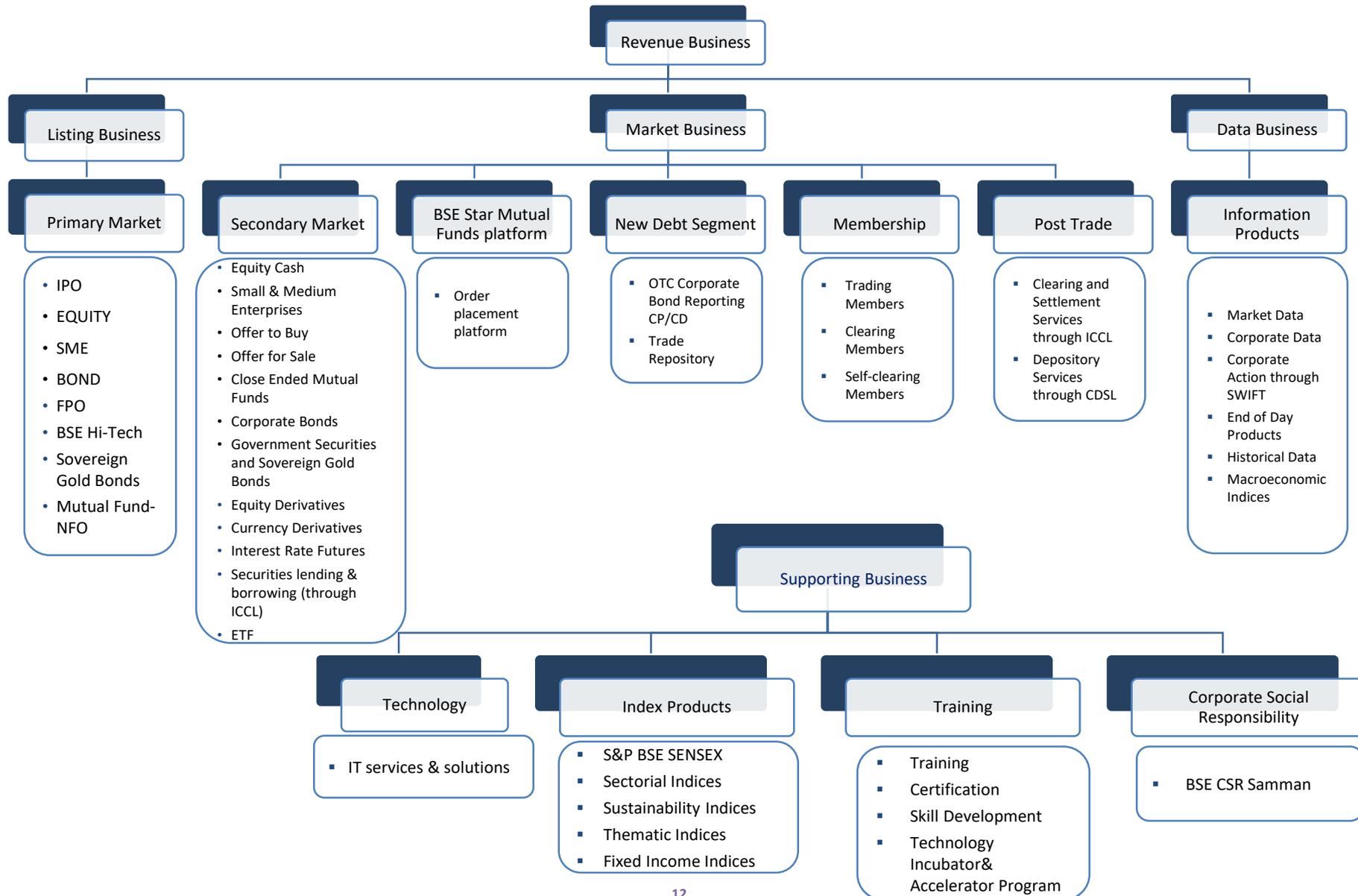
4

Recent Initiatives & Growth Drivers

5

Performance Highlights

Diversified Lines of Business





Preferred Capital Raising Platform

Since April 2015,
capital raised through
BSE

\$ 30 billion

[₹ 2.11 trillion] (till
June 30, 2018)

\$ 2.41 billion

[₹ 0.17 trillion]

Raised through BSE's
electronic bond
platform during Q1
FY19

During FY 17-18
capital raised through
BSE

\$ 10 billion

[₹ 0.62 trillion]

During Q1 FY19,
BSE listed

438

Privately Placed Debt
instruments

During Q1 FY19,
BSE listed

30

Initial Public Offers

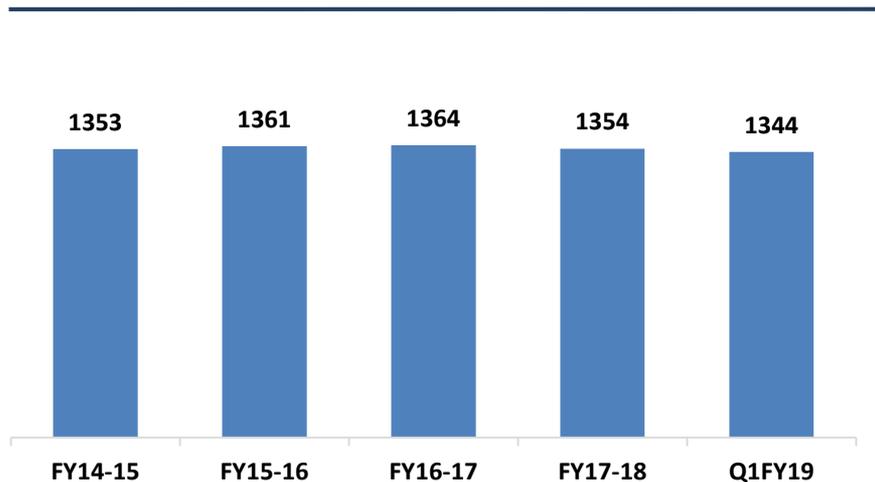
During FY 17-18,
BSE listed

1,996

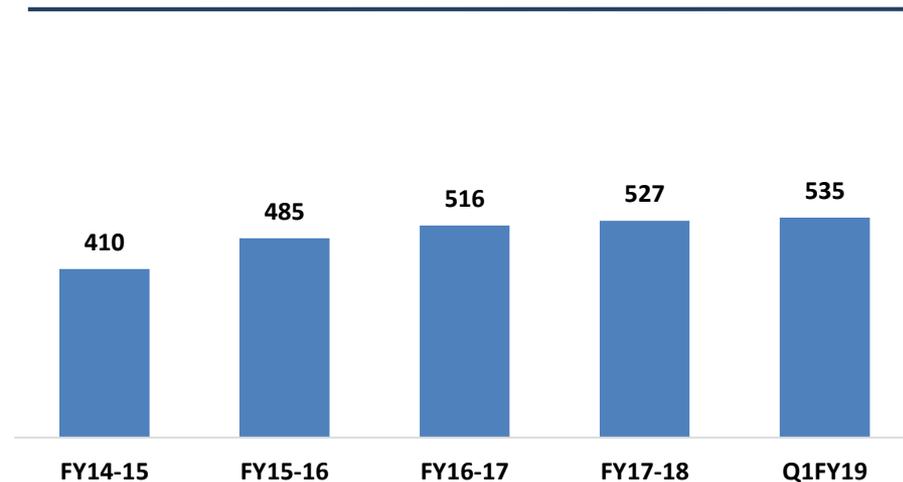
Privately Placed Debt
instruments



Equity Cash Members



Currency Derivatives Members



Continuous interaction with members in normal course of business and through various programs

Investor Education Programs

Jointly established a series of investor education programs with members and broker associations to have open communication with members and **increase exposure to investors**

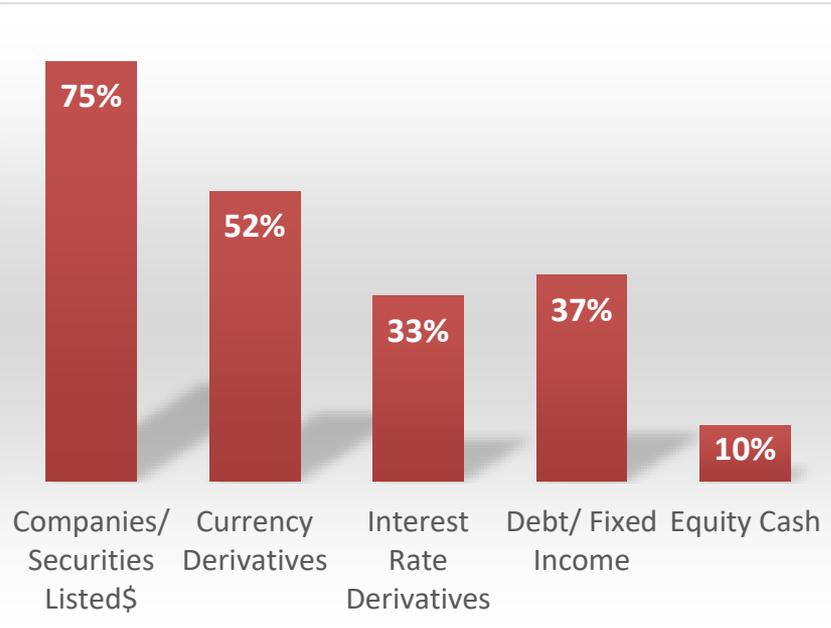
Promote Algorithmic Traders

BSE bears software license costs for algorithmic trading and market access, infrastructure costs on co-location rack space, among other costs

Business – Marketshare

Red Ocean Businesses

Established leader in Listing related Business. Gaining share in Currency Derivatives



Blue Ocean Businesses

Market leadership in Blue Ocean Businesses



New Businesses

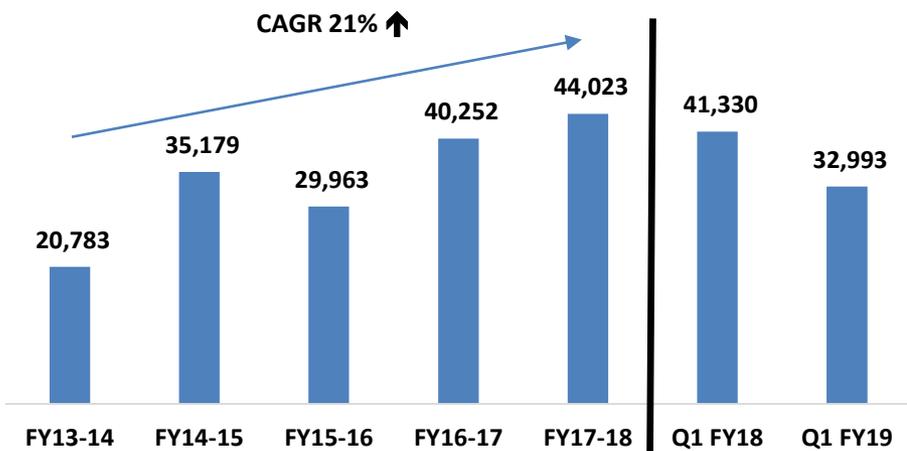
International Exchange at GIFT City

Insurance Distribution JV with EBIX*

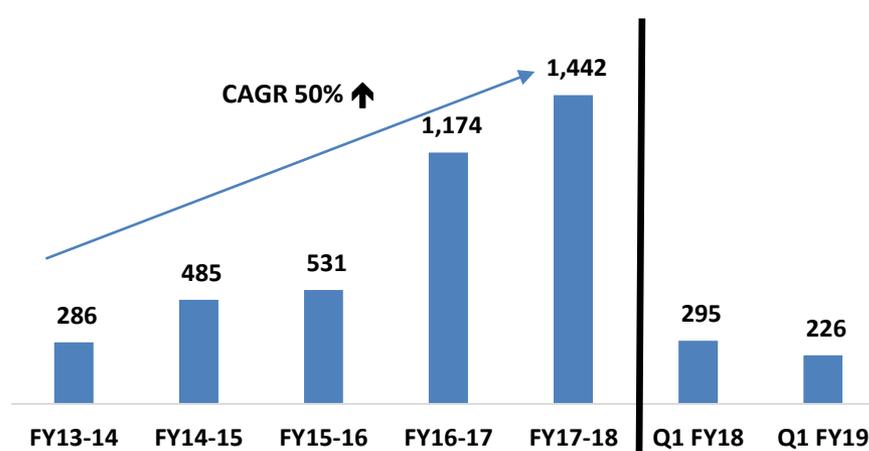
Commodities at BSE*

@ Marketshare in Mutual Fund StAR Platform represents the value of purchase / redemption orders executed during Q1 FY19
 # Marketshare in SME Segment represents number of companies listed in SME segment during Q1 FY19.
 * Subject to Regulatory Approvals.
 \$As on June 30, 2018.
 All Marketshare for Q1 FY19

Average Daily Turnover - Equity (₹ million)



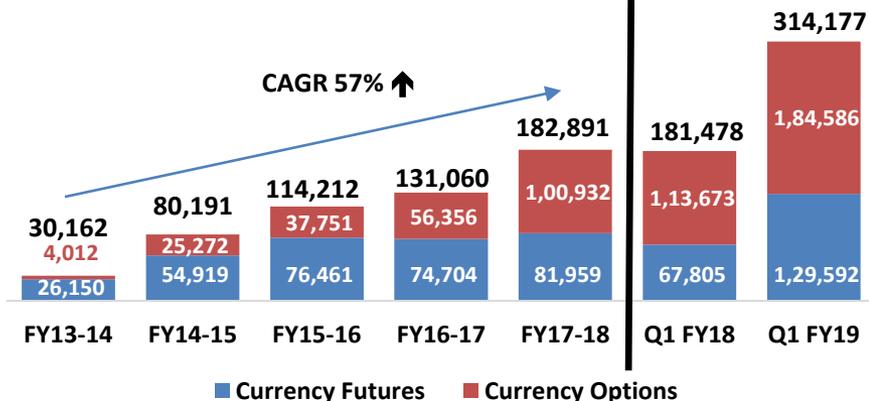
Transaction Charges Income - Equity (₹ million)



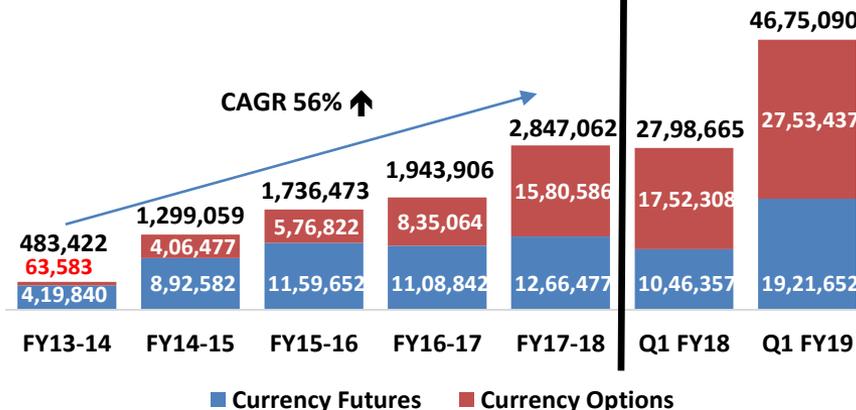
- Significant increase in Transaction Charges Income in FY16-17 mainly due to differential charging of transaction charges on select exclusive group of securities with effect from 1st January, 2016 at the rate of 0.1% on value traded.
- With effect from July 1, 2018, transaction charges on the non-exclusive securities levied on incremental turnover trade basis instead of per trade basis followed earlier.
- Average number of trades per day is 1.07 million during Q1 FY19.

Business – Currency Derivatives

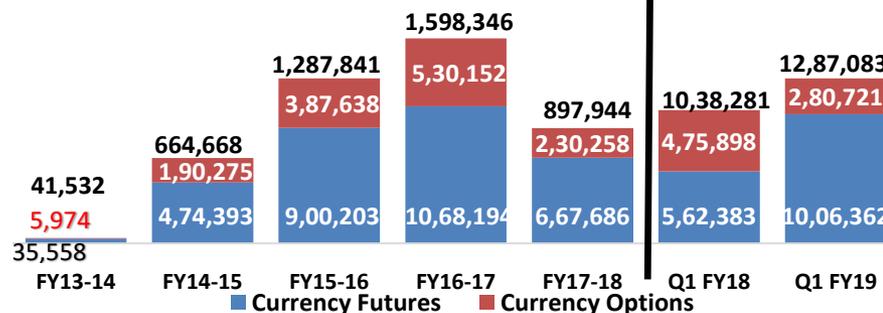
Average Daily Turnover - Currency Derivatives (₹ million)



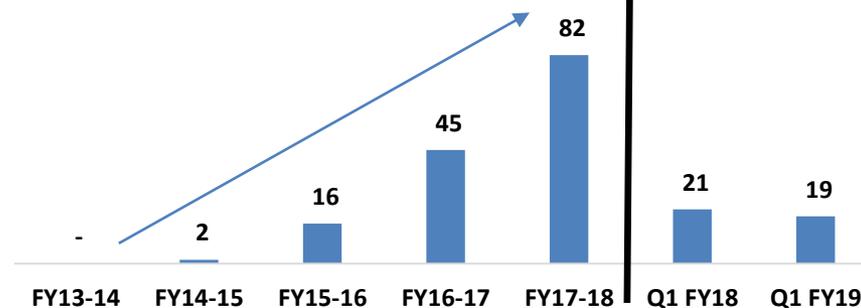
Average Daily Number of Contracts - Currency Derivatives



Period-end Open Interest - Currency Derivatives



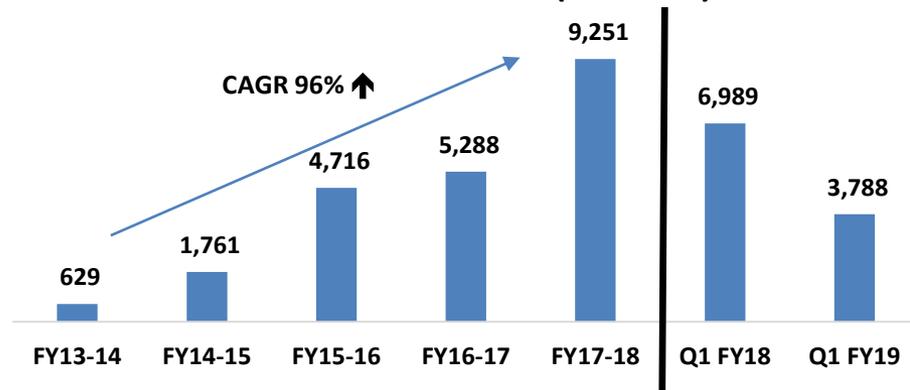
Transaction Charges Income - Currency Derivatives (₹ million)



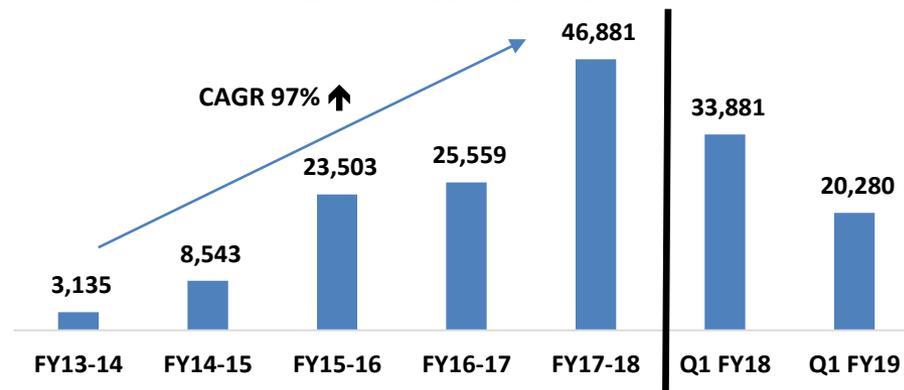
Transaction charges in Currency derivatives for Q1 FY18 was ₹ 22 and ₹ 2,000 per crore of turnover for Currency future and currency options respectively.

The same was revised, in Q1 FY19, to Incremental turnover basis and ₹ 100 for currency future and currency option respectively.

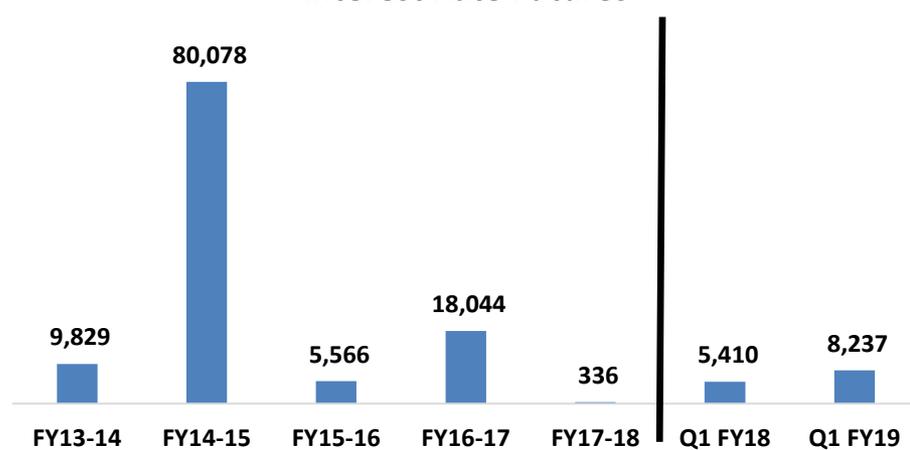
Average Daily Turnover - Interest Rate Futures (₹ million)



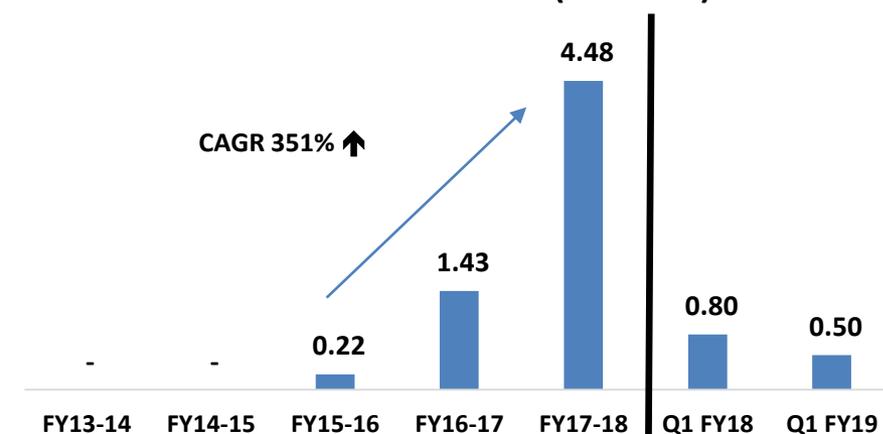
Average Daily Number of Contracts - Interest Rate Futures



Period-end Open Interest - Interest Rate Futures



Transaction Charges Income Interest Rate Futures (₹ million)



PLATFORM FEATURES

- Completely digital- Demat and Non-Demat /Mutual Fund transactions, while facilitating the benefits of Physical mode
- 24x7 order acceptance
- SGB enabled for MFDs
- 6 day order holding facility
- Paperless SIP
- Any day STP and SWP
- Paperless bank Mandate

CONNECTIVITY & USP's

- Unique overnight investments framework
- Multi-mode of platform access
- Completely digital and REAL Time Investors registration / onboarding
- Widely accepted by NDs / Custodians / Brokers / IFA Platform/ New age Digital Distributors / IFAs,
- E-submission and online MFD Registration

BSE StAR MF crossed 10000 Mutual Funds Distributors registrations

BSE StAR MF crossed 10000 MFD registration; adding over 1500 new Distributors per month; overall distribution network of over 2 lakh in over 3000 towns across India.

**Number of Mutual Funds
as on June 30, 2018**

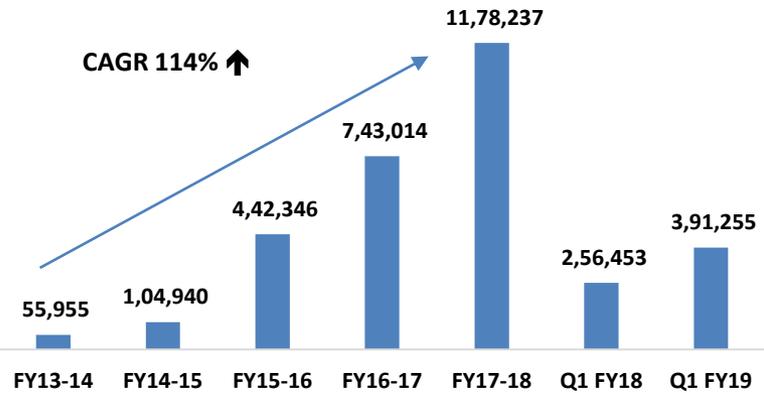
38

**Number of Mutual Fund
Schemes available for
trade as on June 30, 2018**

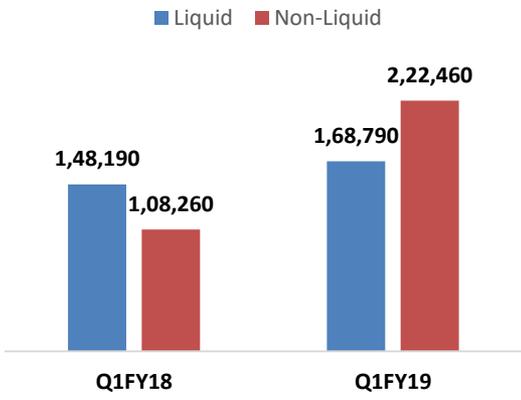
8,215

**In June 2018, BSE StAR MF
contributed over 50% on net
Mutual Fund Industry Inflow
in Equity funds.**

Total Transaction value - Mutual Fund (₹ million)



Transacted value through BSE Star MF – Scheme Type (₹ million)

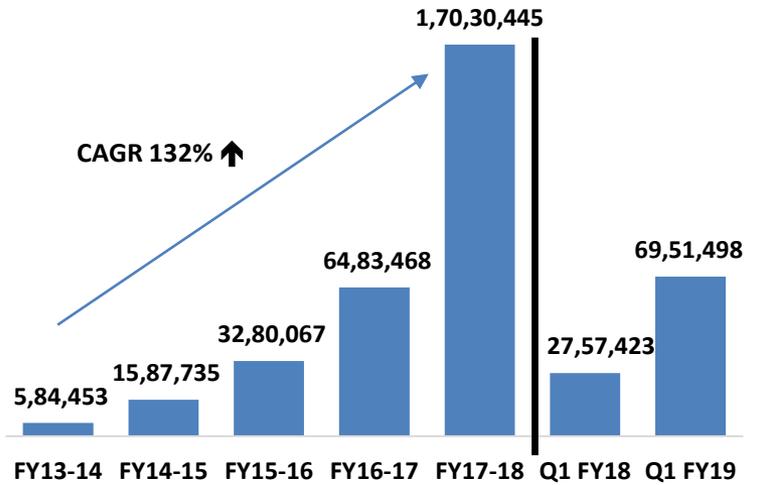


Some Key Figures

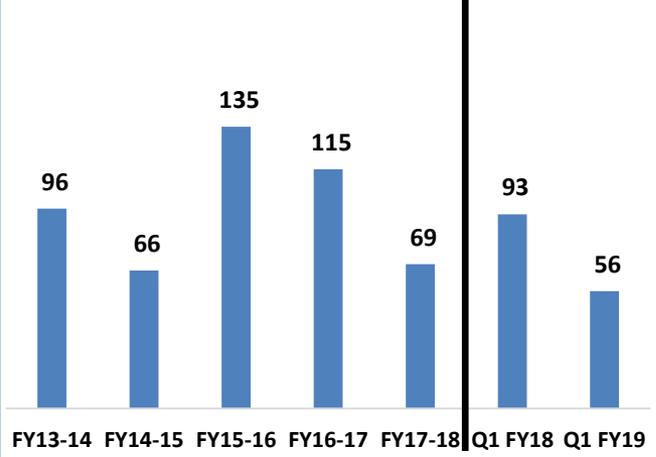
Orders Processed
~ 2.4 million
(Jun 2018)

9,16,000 SIPs added
New Registration Count for XSIP increased 3x in FY 17-18

Number of Orders -Mutual Fund



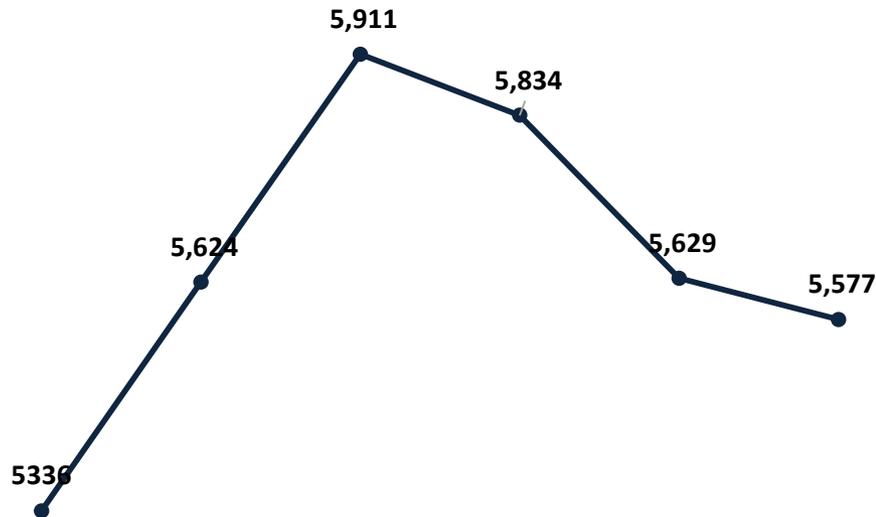
Average Value Per Order (in ₹ '000)



Q1 FY19
Mutual fund Revenue : ₹ 52 million

BSE Mutual Fund Distributor M/s.
Providential Advisory registered 1,118 SIPs respectively on BSE Star Mutual Fund platform on a single day.

Securities Listed (as at year-end)*

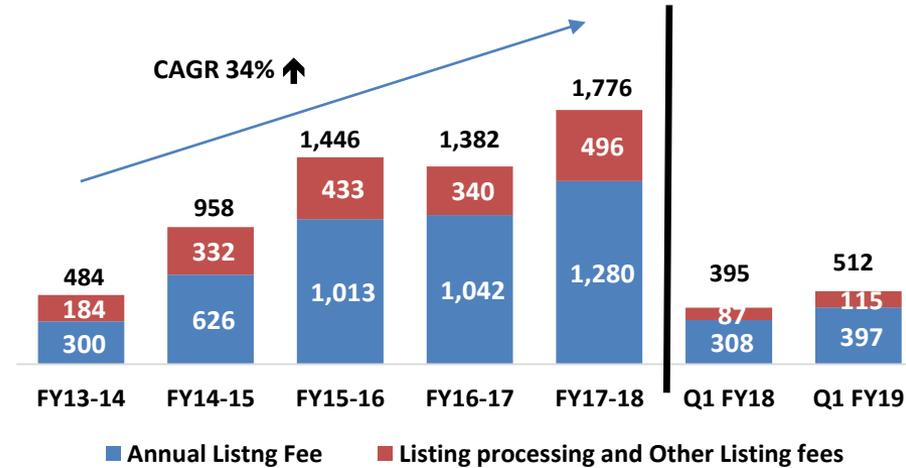


FY13-14 FY14-15 FY15-16 FY16-17 FY17-18 Q1 FY19

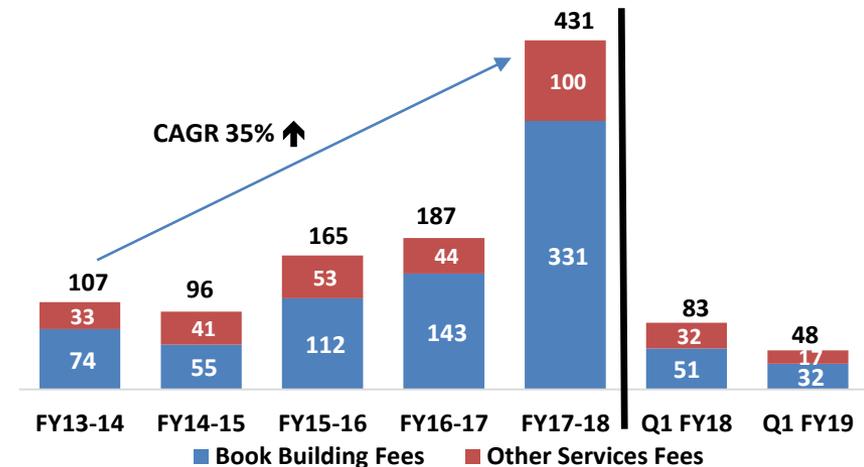
* Include listing of debt capital and mutual fund schemes and excludes delisted securities

- Decrease in securities listed during FY19 on account of delisting of 102 securities majorly due to compulsory delisting, partly offset by new listing of 51 securities.

Listing Fees (₹ million)

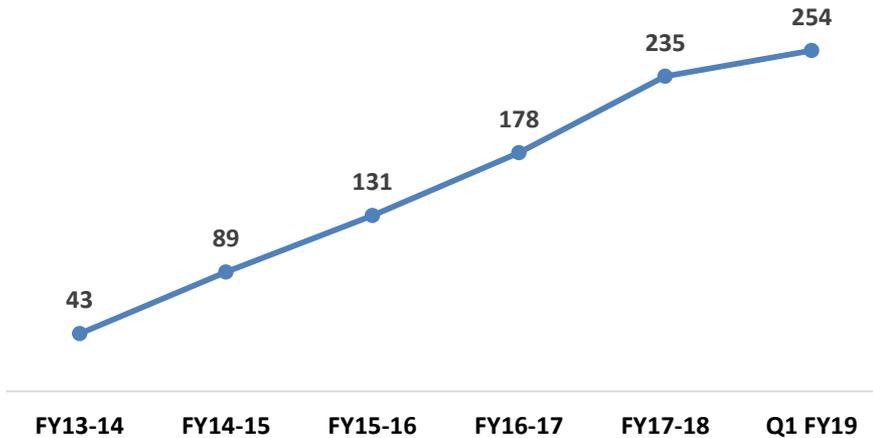


Book Building & Other Services (₹ million)

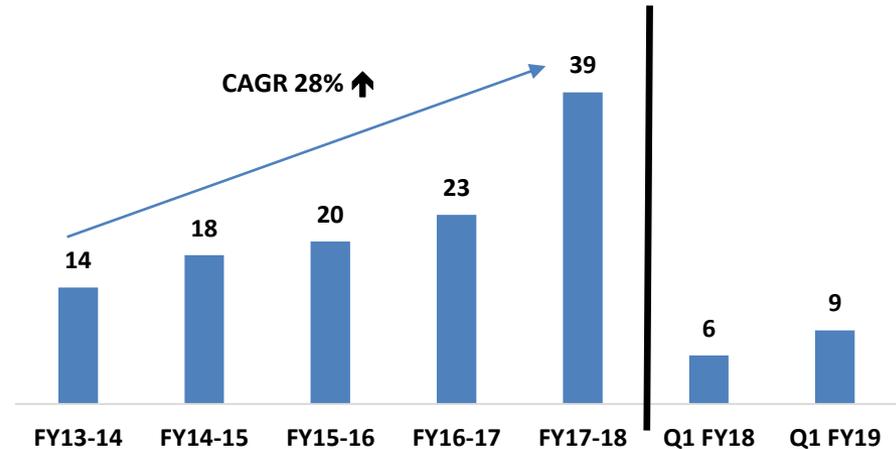


■ Book Building Fees ■ Other Services Fees

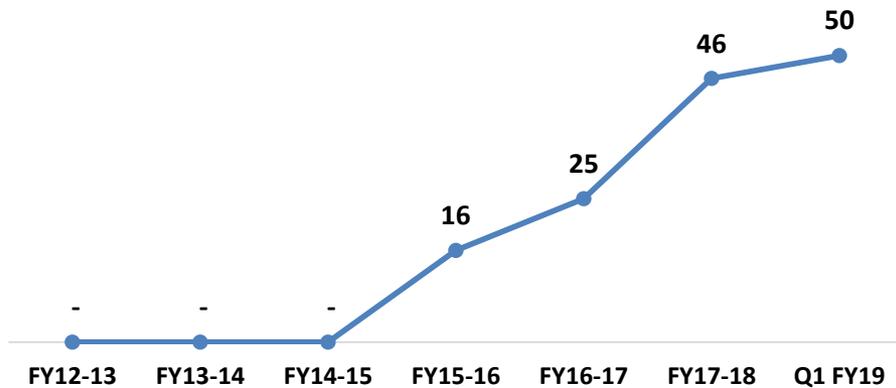
No. of Companies Listed (As on End of Period)



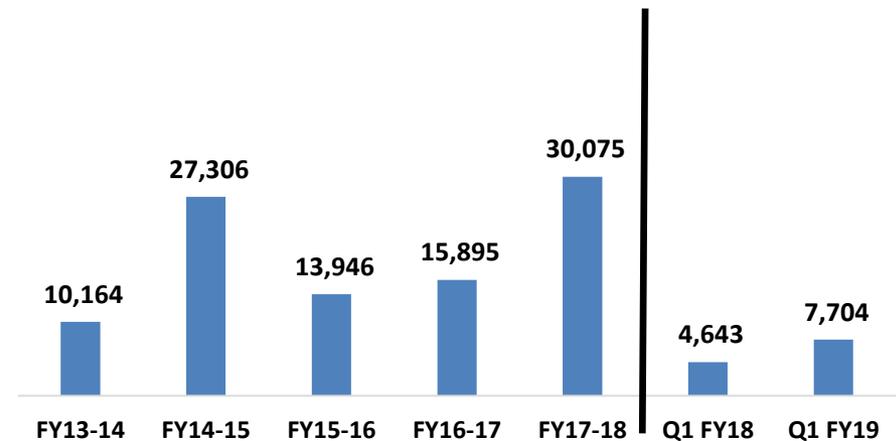
Listing Related Income (₹ in million)



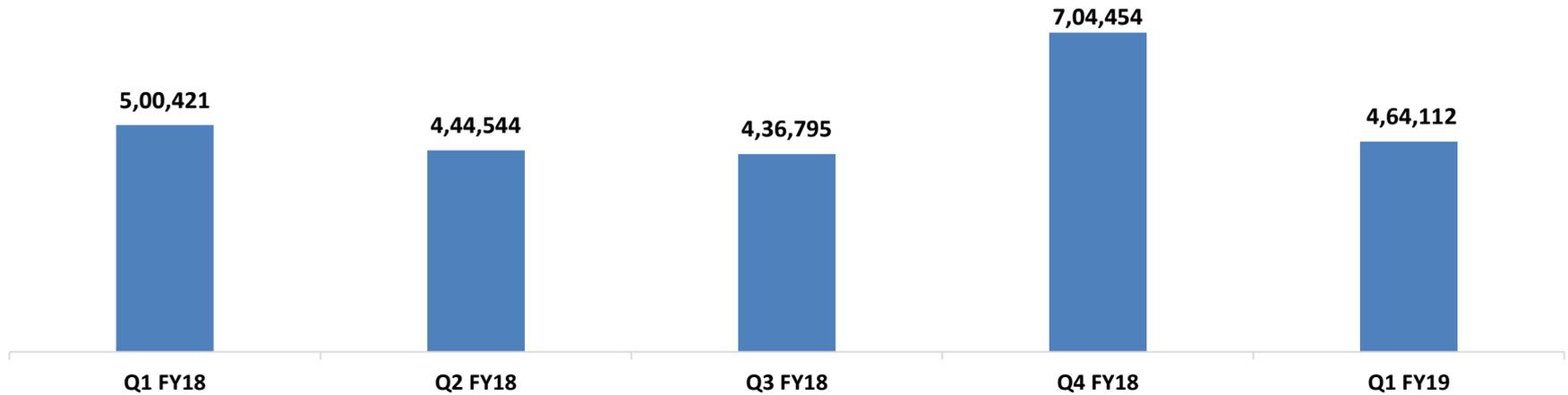
No. of Companies Migrated to Main Board (As on End of Period)



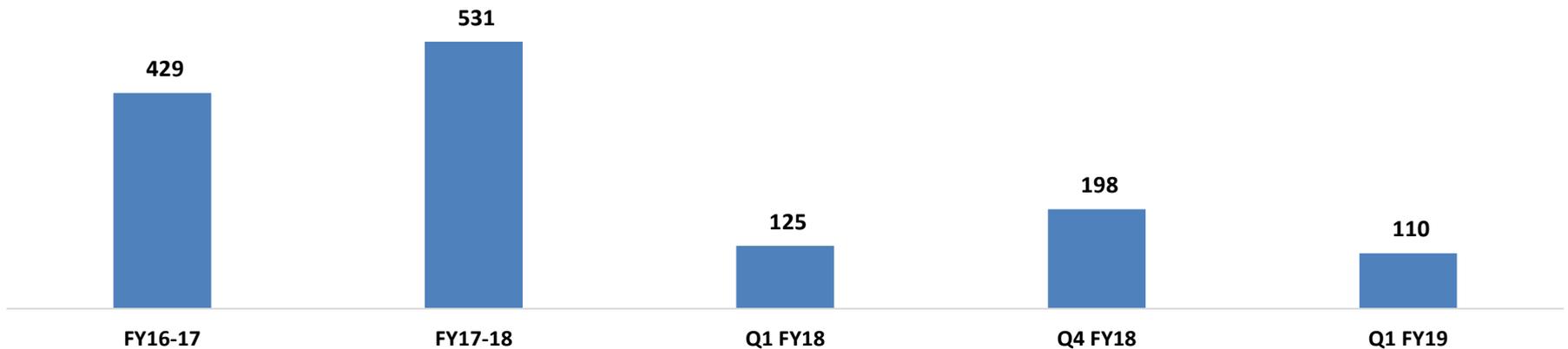
Total Turnover (₹ million)



Fund Raised (₹ in Million)



Number of Issues



Commenced Operations from 16th January, 2017

Asset Classes & Contracts

Index Derivatives	Sensex, India 50 Futures & Options
Indian Stock Futures	107 stocks including Reliance Industries Limited, HDFC Bank Limited, Axis Bank Limited, Infosys Limited, Tata Consultancy Services Limited, Maruti Suzuki India Limited, Tata Motors Limited, ICICI Bank Limited, Larsen & Toubro Limited and State Bank of India Limited
Global Stock Futures	Apple INC, Facebook INC, Microsoft Corporation, Alphabet INC (Google) and JP Morgan
Commodity Futures	Gold, Gold KG, Silver, Copper, WTI Crude, BRENT Crude
Currency Derivatives	EUR USD, GBP USD and JPY USD

Highest Number of trades in a day

62,222

on 18th July 2018

Highest Turnover in a day

\$ 1 Billion

on 6th June 2018

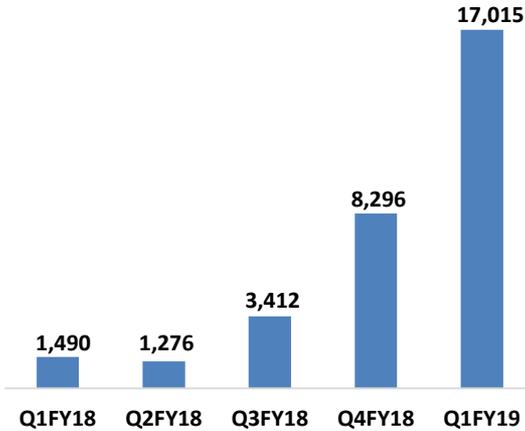
Exchange Daily Trading Hours

22.00 Hours

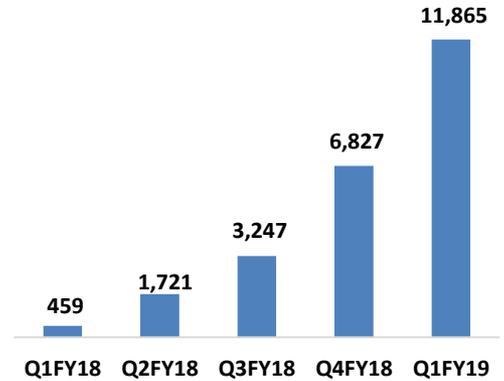
04:30:00 hours to 17:00:00 hours and 17:00:01 hours to 02:30:00 hours (Indian Standard Time)

(₹ in Million)

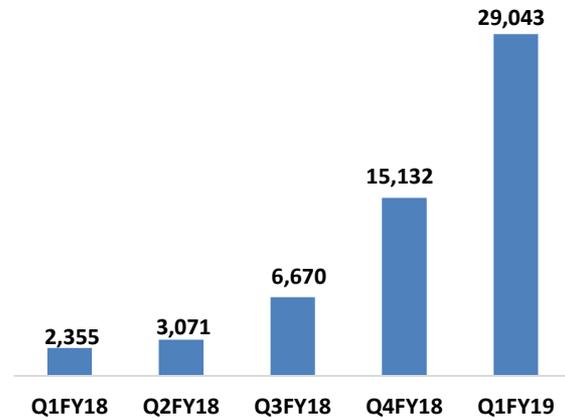
INX INDDER Total Turnover



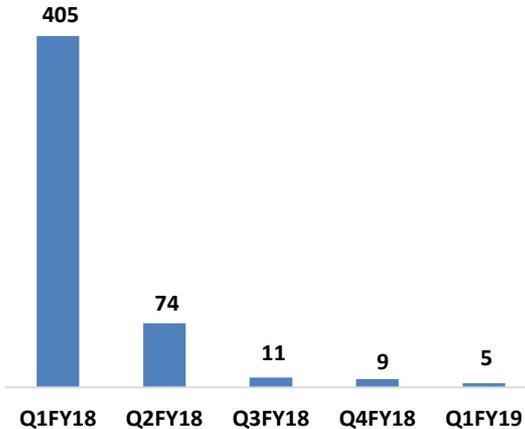
INX COMDER Total Turnover



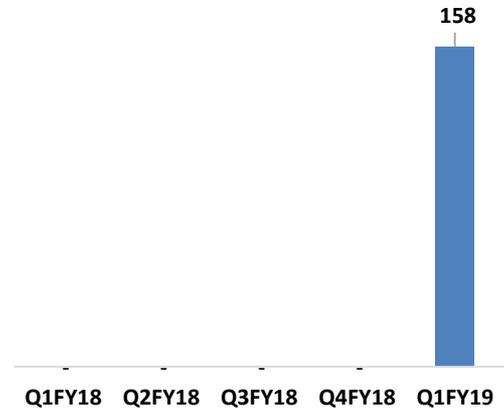
INX Total Turnover



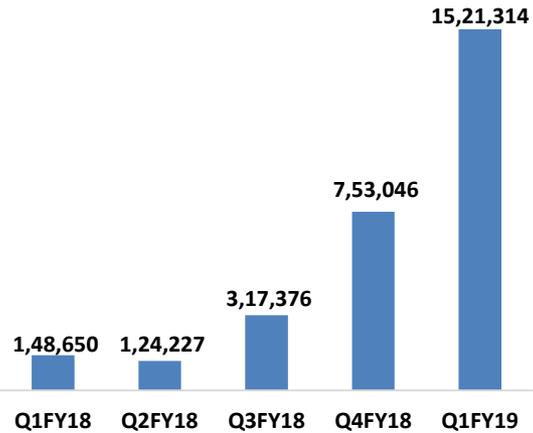
INX INDSTK Total Turnover



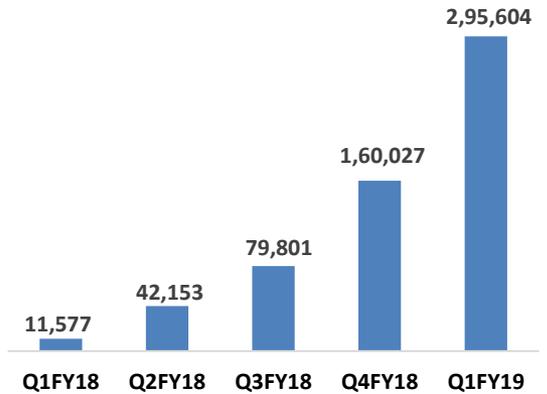
INX INTCOM Total Turnover



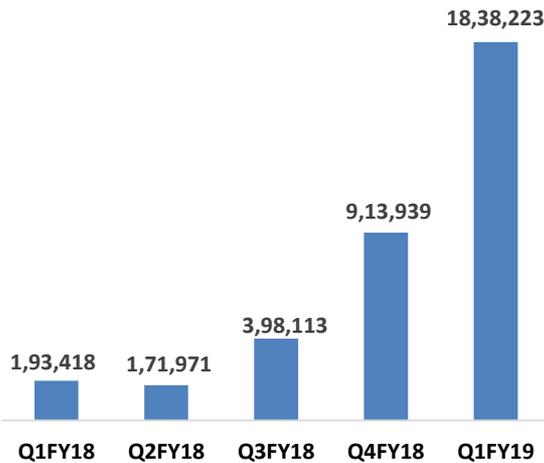
INX INDDER Contracts No.



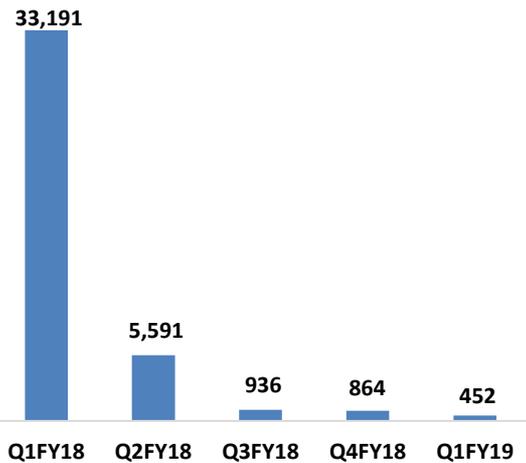
INX COMDER Contracts No.



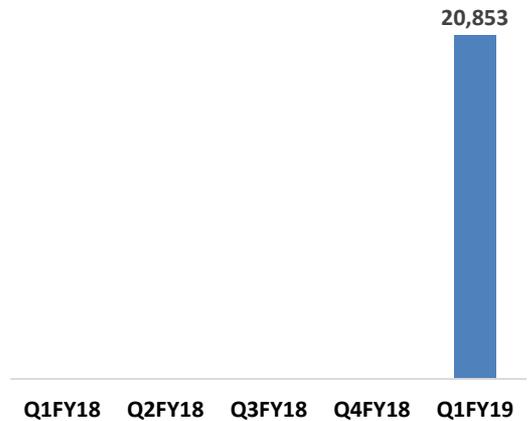
INX Total Contracts No.

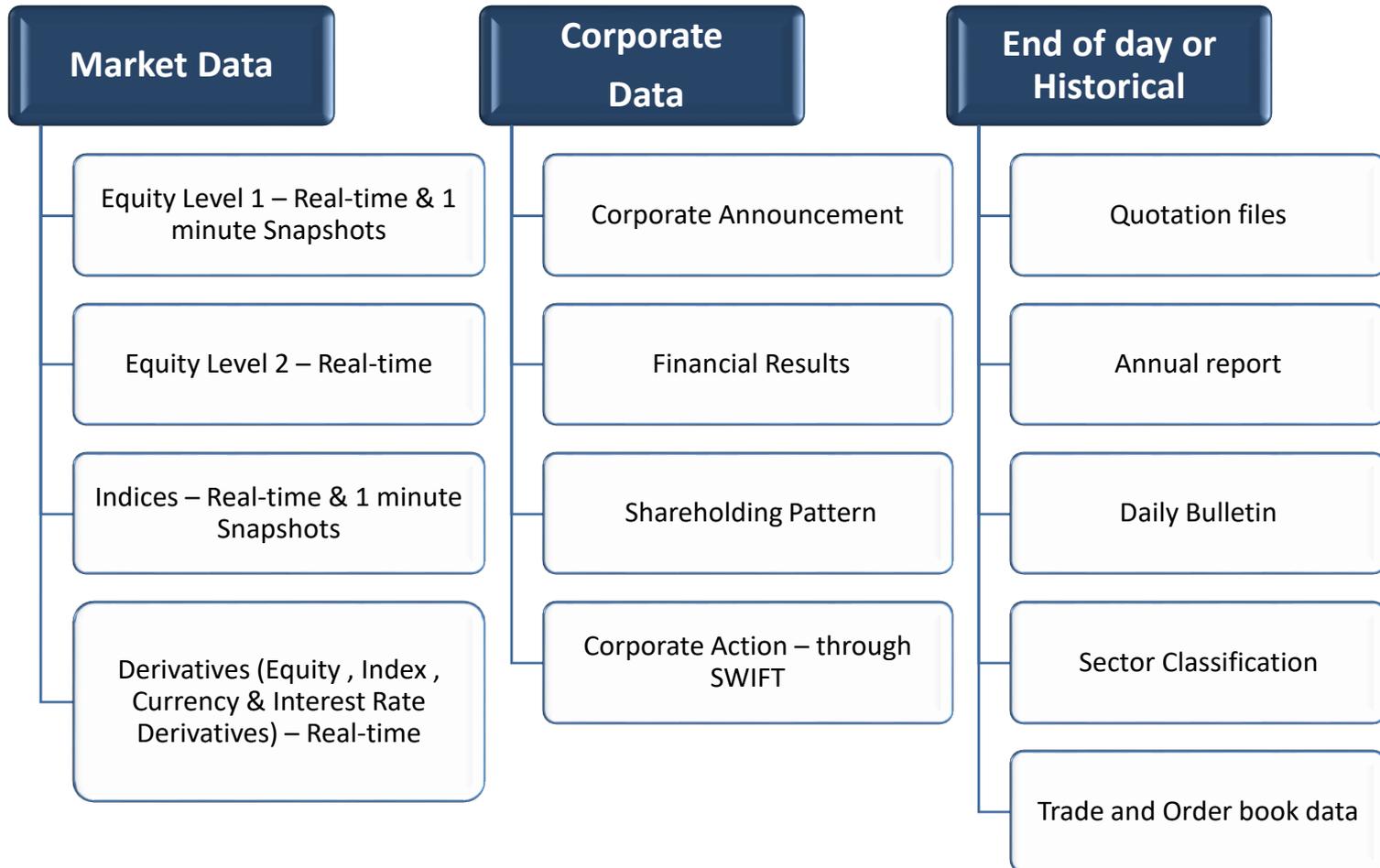


INX INDSTK Contracts No.



INX INTCOM Contracts No.





Market Data products marketed by Deutsche Boerse in International Market

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Performance Highlights

Technology is a key component of operations and business strategy and we regard it as an important component of success

Entered into strategic technology alliance with Eurex in Mar 2013, so as to deploy the Eurex new generation trading system, the **T7, for trading in various segments**

- **Screen based trading system**
- Available under license to members of the exchange as well as their clients
- **All equity cash, equity derivatives and currency derivatives trades are executed on BOLT+**
- Migrated various segments onto BOLT+
 - Currency derivatives: Nov 2013
 - Equity Derivatives: Feb 2014
 - Equity Cash: Apr 2014

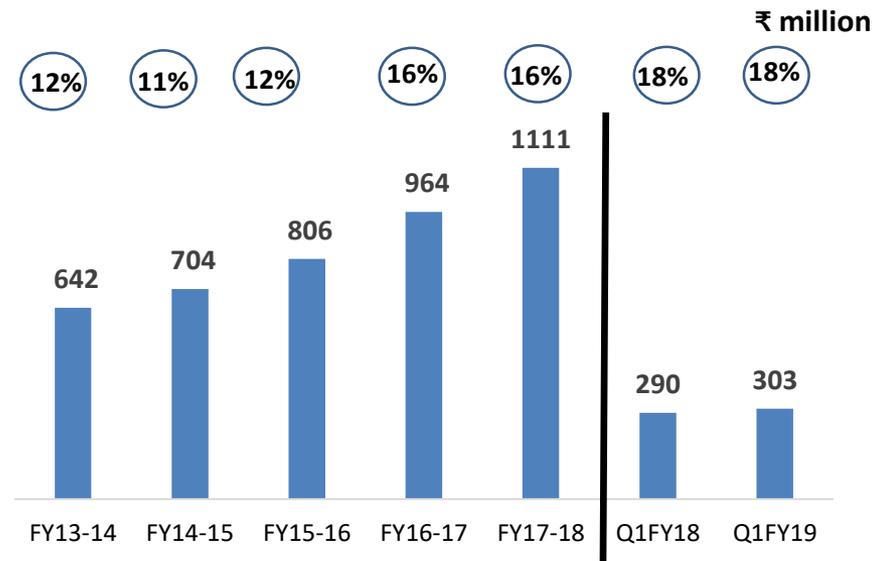
All platforms are **interconnected** and operated through the same network and workstation, which provides market participants a **seamless experience and efficient operation**

Real-time risk management system that conducts real-time calculations of members' margins and limits

Co-location services and high-speed Ethernet connections offered to market participants to enable low latency trading

Standard Portfolio Analysis of Risk ("**SPAN**") margin system, an industry-standard margin system, used by over 30 exchanges and clearing organizations worldwide, to **evaluate the overall risk in a portfolio and accurately match margins to risk**

Technology Spend as % of Total Revenue¹



New Trading Architecture – BOLT PLUS

Bolt Plus Live

- Products available for trading
 - Currency Derivatives – 29th November, 2013
 - Interest Rates Futures- 28th January, 2014
 - Equity Derivatives -10th February, 2014
 - Equity – 7th April, 2014

Member Access

- API based access
 - Through existing IML API
 - Advanced High performance APIs (ETI, MDI/EMDI)

Peripheral Systems connecting to BOLT Plus

- Reference Data, Risk Management, Surveillance, Clearing & Settlement, Data Warehouse

Performance Testing & Benchmarking

- Latency : < 6 μ s (Gateway in to Gateway out)
 - Network Latency for Colo Users: 18 μ s
 - Throughput Capacity: 5 lacs order per second
 - Scalability: Horizontally scalable by adding partitions

Fastest Co-location

- BSE is the fastest Exchange in the world with a speed of 6 microseconds.
- BSE provides the fastest Colocation service in India with round trip network latency of less than 20 microseconds.
- At BSE Colocation, Exchange response for an order has round trip latency of less than 30 microseconds.
- Market access across Equity, Equity Derivatives and Currency Derivatives segments.
- Extension of Precision Time Protocol (PTP) from BSE's Grandmaster clock to the Colocation enables members to synchronize with the Exchange clock.
- Equitable distribution of market data to all members by usage of same length cables for all members.
- Full order book (EOBI) broadcast is provided to Colocation members.
- State-of-the-art Data Centre services from NTT – Netmagic
- Low latency 10 Gbps Solarflare NIC cards (Model No. : SFN7322F) will be provided to members by BSE.

Application for Desktop & Mobile

- Web links for 100 + Visual Operational Help Video's
- Tip of the Day prompt on login – notifying what all can be done
- MemberBranding through EXE
- Bolt + on Web (BoW) – FREE OF COST FOR ALL MEMBER
- Trade commencement in one day
- No Extra hardware like TAP-IML server required.



One Window with Multiple Utilities

Trading	Segments	For	Connectivity
<ul style="list-style-type: none"> • BSE • NSE • MCX • NCDEX 	<ul style="list-style-type: none"> • Equity – F&O – Currency – IRF - OFS – Mutual Fund – SLB – Debt – ITP • Equity – F&O – Currency • Commodities • Commodities 	<ul style="list-style-type: none"> • Dealers • Investors • Admin for HO • Multiple Mini Admin for Regions & Branches • RMS 	<ul style="list-style-type: none"> • Leased Line • Internet

- Dual Market Depth Display
- AMO – After Market Orders
- Time base Square up for Intraday transactions and One click square up on M2M Alert.
- Corporate Information Analysis for
 - Bonus, Rights, Dividend, Board Meetings, Scheme
- Top Gainers / Top Losers
- Most Active by VOLUME / VALUE
- User define short keys- predefine Key Mapping Styles for ODIN-BOLT
- Auto upgrade notification
- Easy mechanism to activate locked User ID (just fetch Password)
- Market Movement with chart with user defined time frame
- NEWS Plus with RSS feeds and Twitter

BEST- BSE ELECTRONIC SMART TRADER – HOSTED TRADING SUITE

(Thomson Reuters Omnesys NEST hosted trading platform)



SingleWindow with Multiple Utilities

Exchanges/Segments

- BSE (Equity, Equity Derivatives, Currency Derivatives, SLB, OFS, IPO, OTB)
- NSE (Equity, Equity Derivatives, Currency Derivatives, SLB, IPO, OFS)
- MCX
- NCDEX
- Other Leading Exchanges of India
- India INX will be separate

Users

- Admin
- Multiple Parallel Admin
- Branch Admin
- Dealer
- Offline Client
- Online Client

Features

- Real time Risk Management
- User Management
- Multi Exchange/Segment trading

Roles & Functionalities

Admin

User Management

- User Creation
- Creation & assigning roles
- Manage Users
- Reporting & MIS
- Send Message

Risk Management

- Comprehensive Risk Rules
- Real time Margin & MTM calculation
- Managing different Risk levels
- Multiple Trading Products
- Admin Square off
- MIS Auto Square off

Users

Dealers

- Multiple Exchange & Segments for Trading
- Real time broadcast
- Basket Order, Spread Order, After Market Order, Cover Order functionality
- Online IV's for Option Traders
- Payment Gateway

Online Client

- Common login for EXE & WEB platform
- Real time broadcast
- Payment gateway
- Order & Trade reports
- Historical reports

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Performance Highlights

Recent Initiatives

Growth Drivers

Recognition as a Designated Offshore Securities Market by the US SEC

- BSE becomes India's first exchange to be recognized as a Designated Offshore Securities Market by the US SEC .
- DOSM status allows sale of securities to US investors through the trading venue of BSE without registration of such securities with the US SEC and thus eases the trades by US investors in India.

Memorandum of Understanding with Brink's India Pvt Ltd

- BSE has entered into an agreement with Brink's India Pvt Ltd
- Brink's shall provide Vaulting and logistic services to BSE for the purpose of storage of gold and silver commodities at various places in India. BSE will recognize some of Brink's vaulting as BSE storage/delivery centers. This arrangement with Brink's is part of BSE's preparation to launch commodity derivatives transactions in its bourses.

BSE Investments (100% subsidiary) acquires 24% stake in CCRL

- BSE Investments Limited acquires 24% stake in CDSL Commodity Repository Limited
- BSE Investments Limited (BSEIL), a 100% subsidiary of BSE acquired 24 per cent stake in CDSL Commodity Repository Limited (CCRL).
- CCRL will enable electronic accounting of commodities, thereby ensuring ease of use, higher accuracy and lower costs for document transmission

Recent Initiatives

Growth Drivers

Insurance Distribution Network

- BSE and EBIX have set up a joint venture, BSE EBIX Insurance Broking Private Ltd. to develop a pioneering insurance distribution network in India with the goal of revolutionizing end-to-end sales and processing of Insurance in the country.
- Leveraging of Ebix technology and distribution network of both entities to create a niche market covering the entire insurance life cycle.

India International Exchange (IFSC)

- Operations Commenced on 16th Jan, 2017
- Index Derivatives, Indian Stock Derivatives, Global Stock Futures, Currency Derivatives and Commodity Futures Contracts introduced
- Utilization of the Exchange platform to raise funds at a global level.
- Listing of securities from across the globe on the Exchange.
- Admission to membership of brokerage and hedge firms from across the globe.
- Introduction of appropriate fee structure based on the growth and competition strategy.
- Non-levy of Capital gains to Non-Residents
- New single Regulator focused on GIFT – IFSC

Recent Initiatives

Growth Drivers

Inter-operability among Clearing Corporations

- *Update*
SEBI had formed four working groups to consider various aspects of Inter-operability among Clearing Corporations. These committees have submitted their reports to SEBI
- Inter-operability may increase liquidity across segments

Interest on Deposits & Margins in certain segments

- Indian Clearing Corporation becomes the first securities clearing corporation in India to pay interest on margins and deposits in currency derivatives and equity derivatives segment with effect from 3rd April, 2017
- Higher placement of margins and deposits at Indian Clearing Corporation to drive higher liquidity to currency derivatives and equity derivatives segment.

Mutual Fund StAR Platform

- Monetization of services
- Commencement of a steady source of revenue which would grow with increasing participation of investors in mutual funds.

Recent Initiatives

Growth Drivers

Small & Medium Enterprises Segment

- Ongoing thrust to encourage SME companies to list on Exchange
- Increase in steady annual source of listing revenue.
- Growth in turnover on Exchange over time especially after migration of SME companies to Main Board of the Exchange.

Arbitrage Rate Index

- Launch of S&P BSE Arbitrage Rate Index by Asia Index Private Limited, a joint venture between BSE and S&P Dow Jones Indices
- Growth of index and derivatives business

Cross Currency Derivative & Cross INR Options

- Introduced cross currency derivatives (future and options) on pairs such as Euro (EUR)-US Dollar (USD), Pound Sterling (GBP)-USD and USD-Japanese Yen (JPY) and options on EUR-INR, GBP-INR and JPY-INR in addition to existing USD-INR Options.
- Allow entities like corporates, foreign portfolio investors and non-resident Indians to participate and to take positions in the exchange traded currency derivatives markets.

Recent Initiatives

Growth Drivers

BSE-Bond Platform

- New electronic bidding platform for raising debt by any entity over ₹ 5 billion in a year (w.e.f. July 1, 2016) and ₹ 2 billion in a year (w.e.f. April 1, 2018)
- Introduction of appropriate fee structure based on the growth and competition strategy at an appropriate time

Commodities Segment at BSE

- Application made to regulator for launching commodities segment at the Exchange
- Readiness to launch the segment at short notice.
- MOU with Soybean Processors Association of India (SOPA)
- Beneficial for launching products like soybean, soy oil and soymeal futures trading on BSE in future.
- BSE has entered into an agreement with Bombay Metal Exchange
- BSE has entered into an agreement with Bombay Metal Exchange for the growth and systematic development of commodity derivatives markets in the Non Ferrous Metals complex.

Macro-economic Factors – Underpenetrated Indian Markets

GDP Factor & India's Credit Rating

- Correlated to market capitalization / activity which in turn is linked to GDP

Scope for Market Cap / GDP ratio to increase to pre-financial crisis levels 151%

Compared to other geographies, Market Cap / GDP ratio has room for improvement

Geography	Market Cap / GDP Ratio
India	69%
World Average	99%
BRICS	110%

- Global rating agency Moody's upgraded India's local and foreign currency issuer ratings to Baa2 from Baa3 and changed the outlook on the rating to stable from positive

Government Initiatives

GST will lead to tax simplification which in turn will boost GDP

Demonitization will lead to a positive impact on capital markets in India during long term

EPFO allowed to invest in equity markets – will boost equity investments in India

₹ 2.1 trillion Bank Recapitalization announcement a booster dose to economy by Government

Global Inflow of Funds

- With 7-8% GDP growth rate, India is the preferred investment destination
- FPIs granted permanent registration compared to approvals for 1 / 5 years earlier

Demographic Dividend

- India's population is estimated to surpass China's population within a decade

60% % of India's total population in working age category

Participation by Retail Investors

- Historical preference for physical assets but that is changing with increasing financial awareness
- Increase in India equity indices has improved confidence
- Tax breaks further incentivizing to invest

India's equity savings as a percentage of financial savings is substantially lower than other countries

Country	Equity Savings %
India	5%
China	14%
Brazil	15%
Indonesia	20%
W. Europe	29%
US	42%

New Products and Initiatives

- Room to introduce innovative derivative products like weather derivatives, energy derivatives and credit derivatives
- Potential easing of restriction of FIIs trading in currency futures
- Alliances with exchanges from various countries to cross-list equity-based products
- Introduction of more agricultural commodities and other global commodities for trading



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Performance Highlights

Integrated Business Model

- Multiple contact points with members and market participants provides the ability to generate revenue from multiple levels of the business



1	Transaction Charges	<ul style="list-style-type: none"> Linked to Market Activity 	<ul style="list-style-type: none"> Directly proportional to market activity levels
2	Treasury Income on Clearing and Settlement Funds	<ul style="list-style-type: none"> Linked to Market Activity to an Extent 	<ul style="list-style-type: none"> Linked to interest rates and, to an extent, market activity since that would lead to more margin being deposited by members
3	Other Securities Services	<ul style="list-style-type: none"> Recurring 	<ul style="list-style-type: none"> Primarily consists of charges recovered from members for network connectivity
4	Services to Corporates	<ul style="list-style-type: none"> Recurring 	<ul style="list-style-type: none"> Mostly derived from listing income that is not impacted by market activity Dependent on number of listed entities and hence is a recurring revenue stream Potential for increase if amount charged is increased
5	Data Dissemination Fees	<ul style="list-style-type: none"> Recurring 	<ul style="list-style-type: none"> Impacted primarily due to level of subscriptions and revision in pricing policies Contributes only 4-5% in India compared to 10-25% in developed markets
6	Income From Investments and Deposits	<ul style="list-style-type: none"> Recurring 	<ul style="list-style-type: none"> Linked to investment yields
7	Other Income	<ul style="list-style-type: none"> Recurring 	<ul style="list-style-type: none"> Mostly derived from rent and training institute etc., which are stable sources of income

 Linked to Market Activity
 Recurring

Steady increase in Operational Income

March Year Ending (₹ in million)	2014	2015	2016	2017	2018	Jun'17 Qtr	Jun'18 Qtr
- Transaction Charges	294	505	550	1,224	1,581	318	274
- Income from Depository Services	871	1,046	1,227	-	-	-	-
- Treasury Income on Clearing and Settlement Funds	439	532	413	405	408	103	89
Others	268	254	223	292	311	75	82
Securities Services	1,872	2,337	2,413	1,921	2,300	496	445
Services to Corporates	591	1,054	1,611	1,569	2,207	477	560
Other Operating Income	367	374	415	447	565	132	165
Revenue from Operations	2,830	3,765	4,439	3,937	5,072	1,105	1,170
Income From Investments and Deposits	2,183	2,226	2,102	1,981	1,687	410	390
Other Income	285	257	161	265	230	97	104
Total Income	5,298	6,248	6,701	6,183	6,989	1,612	1,664
% Growth	-	17.9%	7.3%	-7.7%	13.0%		3.2%

Note :

1. Figures for FY17 and FY18 exclude CDSL figures in view of divestment of BSE's stake in CDSL in the month of June 2017
2. Figures as per restated IGAAP financials for FY12-13 to FY14-15 and Ind-AS financials for FY15-16 onwards.

Consolidated Profit & Loss (cont'd)

March Year Ending (₹ in million)	2014	2015	2016	2017	2018	Jun'17 Qtr	Jun'18 Qtr
Total Income	5,298	6,248	6,701	6,183	6,989	1,612	1,664
Employee Expenses	854	999	1,074	1,166	1201	301	337
Technology Cost & Technology Program	642	704	806	964	1111	290	303
Regulatory Costs	250	607	544	353	444	92	95
Other Expenses	677	885	1,152	1,099	1014	213	257
EBITDA	2,875	3,053	3,125	2,601	3,219	716	672
EBITDA Margin	54%	49%	47%	42%	46%	44%	40%
Depreciation & Amortization	324	588	537	503	455	101	115
Finance Cost	4	6	3	10	10	2	2
Exceptional Items							
Liquidity Enhancement Incentive Prog ("LEIPs")*	613	343	172	-	21	-	23
Settlement Guarantee Fund ("SGF")	-	-	514	208	-	-	-
Other Exceptional Items	-	165	-221	-	5	-	5
Profit Before Tax & Minority/Associate	1,934	1,951	2,120	1,880	2,728	613	527
Associate Share	-4	-3	22	11	199	2	58
Profit Before Tax	1,930	1,948	2,142	1,891	2,927	615	585
Tax Expenses	340	438	371	106	554	118	70
Minority Share	238	213	442	445	-	-	-
Net Profit From Continuing Operations	1,352	1,297	1,329	1,340	2,373	497	515
Net Profit Margin	26%	21%	20%	22%	32%	31%	31%
Profit From Discontinued Operation	-	-	-	866	4,740	4,740	-
Net Profit from Total Operation	1,352	1,297	1,329	2,206	7,113	5,237	515

Note : Figures for FY17 and FY18 exclude CDSL figures in view of divestment of BSE's stake in CDSL in the month of June 2017

1. Figures as per restated IGAAP financials for FY13-14 and FY14-15 and Ind-AS financials for FY15-16 onwards.

Operational Income

March Year Ending (₹ in million)	2014	2015	2016	2017	2018	Jun'17 Qtr	Jun'18 Qtr
Trading Members	541	743	775	1,504	1,869	387	349
Services to Corporates	591	1,054	1,611	1,569	2,206	477	560
Other Operating Income	-	260	-	-	-	-	-
Data Dissemination Fees	204	219	224	247	263	59	70
Revenue from Operations	1,336	2,276	2,610	3,320	4,338	923	979
Income From Investments and Deposits	1,689	1,868	2,335	1,897	1,946	654	381
Other Income	303	248	209	293	227	76	102
Total Income	3,328	4,392	5,154	5,510	6,511	1,653	1,462
% Growth	-	32.0%	17.3%	6.9%	18.2%		-11.6%

Note :

1. Figures as per restated IGAAP financials for FY13-14 and FY14-15 and Ind-AS financials for FY15-16 onwards.

Standalone Profit & Loss (cont'd)

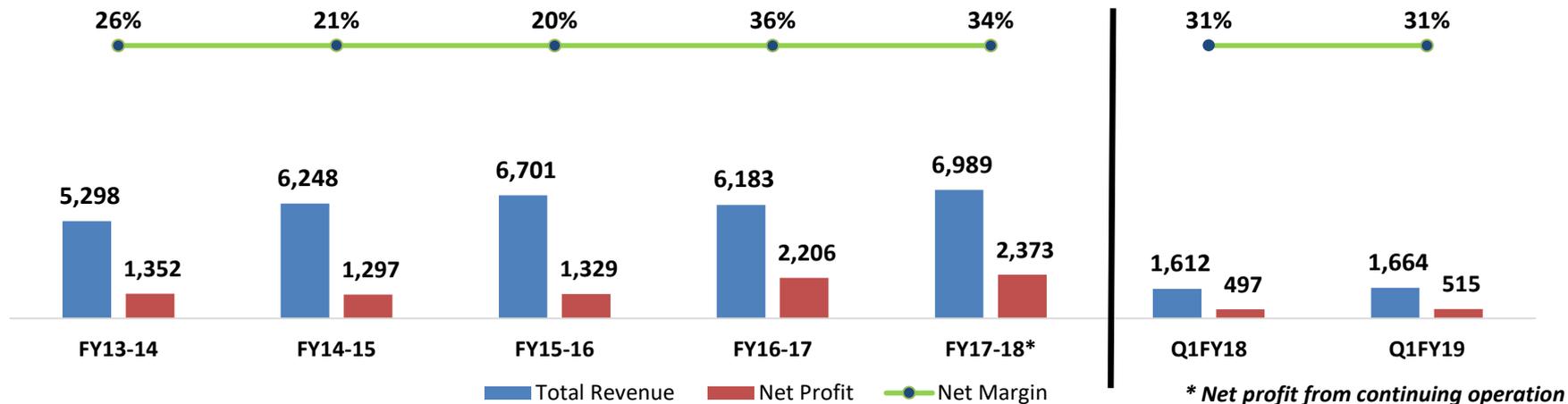
March Year Ending (₹ in million)	2014	2015	2016	2017	2018	Jun,17 Qtr	Jun,18 Qtr
Total Income	3,328	4,392	5,154	5,510	6,511	1,653	1,462
Employee Expenses	492	553	587	761	742	188	210
Technology Cost & Technology Program	568	675	816	1,123	1215	333	312
Regulatory Costs	119	472	508	352	439	92	94
Other Expenses	480	779	741	800	737	150	191
EBITDA	1,669	1,913	2,502	2,474	3,378	890	655
EBITDA Margin	50%	44%	49%	45%	52%	54%	45%
Depreciation & Amortization	266	522	485	477	393	88	98
Finance Cost	2	2	2	1	-	-	-
Exceptional Items							
Liquidity Enhancement Incentive Prog "LEIPs"	613	343	172	-	-	-	-
Settlement Guarantee Fund ("SGF")	-	-	514	208	-	-	-
Profit on sale of part equity stake in CDSL	-	-	-	-244	-3,160	-3160	-
Other Exceptional Items	-	150	46	-	5	-	5
Profit Before Tax	788	896	1,283	2,032	6,140	3,962	552
Tax Expenses	42	141	-46	46	501	118	34
Net Profit	746	755	1,329	1,986	5,640	3,844	518
Net Profit Margin	22%	17%	26%	36%	87%	41%	35%

Note :

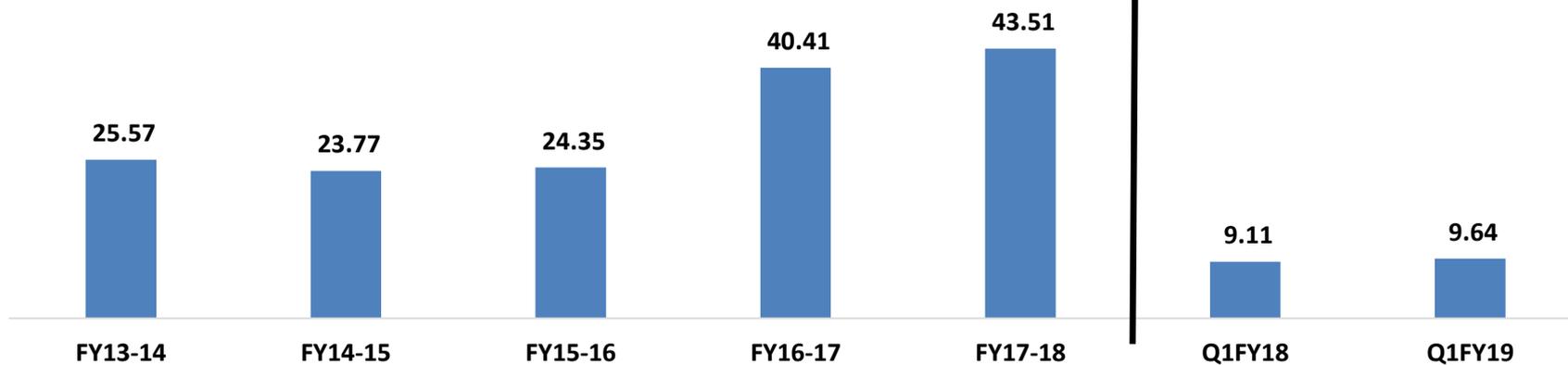
1. Figures as per restated IGAAP financials for FY13-14 , FY14-15 and Ind-AS financials for FY15-16 onwards.

Key Performance Indicators

(₹ in million)

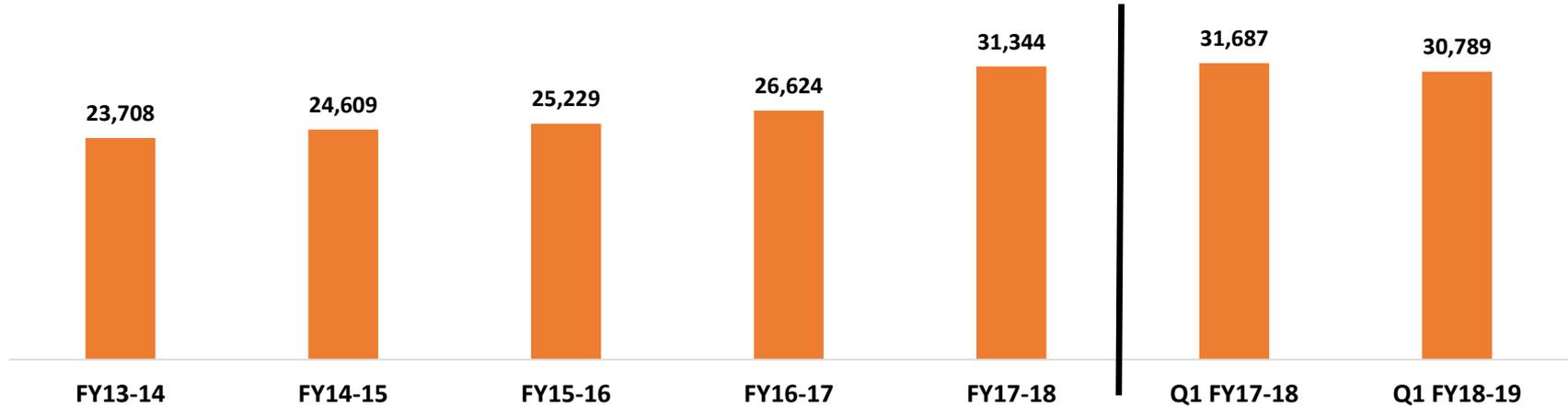


Earnings per share (₹) [Continuing operations]

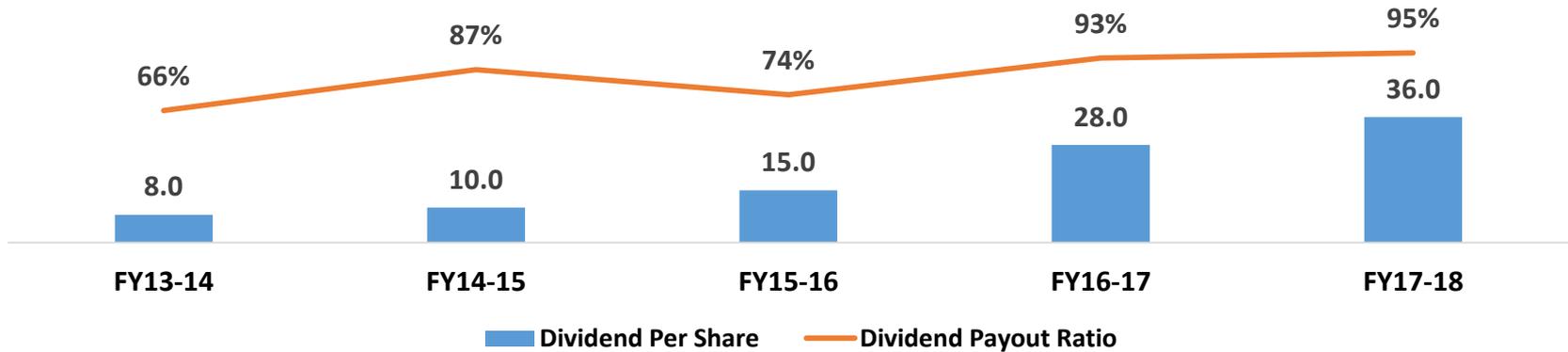


Figures as per restated IGAAP financials for FY12-13 to FY14-15 and Ind-AS financials for FY15-16 onwards.

Consolidated Net-worth (₹ million)



Dividend per share (₹) & Pay-out Ratio



Figures as per restated IGAAP financials for FY12-13 to FY14-15 and Ind-AS financials for FY15-16 onwards
 # Dividend pay-out ratio is calculated based on Standalone Profit

THANK YOU

INVESTOR RELATIONS CONTACT :

Yatin Padia

Head – Investor Relations

☎ +91 22 2272 8516

✉ bse.ir@bseindia.com

