

No: 2018/SEC/FEB/259

Date: February 8, 2018

National Stock Exchange of India Limited "Exchange Plaza", 5th Floor, Plot No. C/1, G Block, Bandra-Kurla Complex Bandra (East), Mumbai - 400051

NSE - Symbol - BIOCON

**BSE Limited** Phiroze Jeejeebhoy Towers, Dalal Street, Fort, Mumbai - 400001

**Biocon Limited** 

20th KM Hosur Road Electronics City Bangalore 560 100, India T 91 80 2808 2808 F 91 80 2852 3423

CIN: L24234KA1978PLC003417

www.biocon.com

BSE - Scrip code - 532523

Dear Sirs,

#### Sub: Intimation regarding Analysts/ Institutional Investors meet

Pursuant to the provisions of regulation 30 (6) of SEBI (Listing Obligations & Disclosure Requirements), Regulations, 2015, please find below the schedule of the Analysts/ Institutional Investors meetings.

Date	Name	Type of meeting	Location
	Abu Dhabi Commercial Bank		
	AFP Cuprum		
	Alaska Permanent Fund Corporation		
	Anthos		
	BICE		
	Commerzbank		
	CPPIB		
	Deutsche Bank		
	Exelon Generali		
February 8, 2018			_
1 ebidaly 0, 2010	Goldman Sachs Asset Management	Group Meeting	Bangalore
	HDFC Bank		
	Nanshan Life Insurance		
	New York - Presbyterian Hospitals Group		
	New York State Teachers Retirement System		
	OPTrust		
	Pictet & Cie		
	QIA		
	Raytheon	1	
	Victorian Funds Management Corporation		

The above mentioned schedule will also be available on the website of the company www.biocon.com. The presentation used by the Company for the above meeting is enclosed herewith. Kindly take on record the same.

Thanking you.

Yours faithfully,

For BIOCON LIMITED,

Rajiv Balakrishnan Company Secretary





# **Biocon Limited Investor Presentation**

February 2018

BSE: 532523 | NSE: BIOCON | REUTERS: BION.NS

| BLOOMBERG: BIOS IN | WWW.BIOCON.COM



#### **Safe Harbor**

Certain statements in this release concerning our future growth prospects are forward-looking statements, which are subject to a number of risks, uncertainties and assumptions that could cause actual results to differ materially from those contemplated in such forward-looking statements. Important factors that could cause actual results to differ materially from our expectations include, amongst others general economic and business conditions in India, our ability to successfully implement our strategy, our research and development efforts, our growth and expansion plans and technological changes, changes in the value of the Rupee and other currencies, changes in the Indian and international interest rates, change in laws and regulations that apply to the Indian and global biotechnology and pharmaceuticals industries, increasing competition in and the conditions of the Indian biotechnology and pharmaceuticals industries, changes in political conditions in India and changes in the foreign exchange control regulations in India. Neither the company, nor its directors and any of the affiliates have any obligation to update or otherwise revise any statements reflecting circumstances arising after this date or to reflect the occurrence of underlying events, even if the underlying assumptions do not come to fruition.





#### **Need For Affordable Healthcare**

- At least 1/2 the world's population lacks access to essential health services.
- 100 Mn people
   pushed into extreme
   poverty each year
   due to out-of-pocket
   health expenses.
- 90% of population in developing countries buy medicines through out-of-pocket payments.



- Noncommunicable diseases (NCDs) kill 40 million people each year, accounting for 70% of all deaths worldwide.
- Diabetes management alone absorbs up to 1/3 of entire health budget in several countries.
- Avg cost of newly approved treatments for various cancer indications is US\$120,000/person /yr.

Source: WHO



# **Biocon: Prepared To Tackle Global Health Challenges**



#### **CANCER**

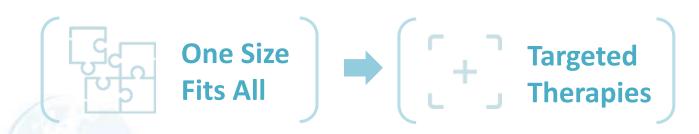
Cause of 'One in Seven' deaths globally\*



#### **DIABETES**

Affects 'One in 11' Adults globally#

#### **Rapidly Changing Medical Paradigm**



\*Source: GLOBOCAN 2012

#Source: IDF



## **Biologics: At The Cutting Edge**

Of the Top **15**Global pharma
brands by revenue
in 2016

10 were biologics\*

Worldwide biotechnology drug market in 2022 projected to grow to

US\$ 337

**Global** biosimilars market in 2020 projected to be between

us\$ 25-35 billion





Traditional Small Molecule Generics Antibodies/ Insulins / Protein Therapeutics



## **Biocon: Asia's Leading Biopharma Company**



#### **Our Vision**

To enhance global healthcare through innovative and affordable biopharmaceuticals for patients, partners and healthcare systems across the globe





# From Garage Startup To Asia's Leading Biopharma Enterprise

#### 'Green the World'



Manufacturing eco-friendly enzymes to replace polluting chemicals

#### 'Heal the World'



Producing world class biologics for cancer, diabetes, autoimmune diseases





## **Biocon Strategy Of Differentiation**





## The Biocon Journey: A Continuous Evolution

1978-1999	2000-2004	2005-2009	2010-2015	2016 and beyond
People: 250 Revenue: Rs 320 Million	People: 700+ Revenues: Rs 5,490 Million	People: 3,500+ Revenue: Rs 11,940 Million	People: 7,500+ Revenue (FY15): Rs 31,429 Million	People: 9,000+ Revenue (FY17): Rs 40,787 Million
An Enzymes Company	Transforming into a Biopharma company	Building the Base Business and expertise in biologics	Focused on global development and strategic global alliances	Insulin Glargine approval and launch in Japan
	Successful IPO, Biocon listed in India	Enzymes business divested	Mylan Insulins collaboration signed	Biosimilar Trastuzumab approved by US FDA
		Mylan Antibodies collaboration signed	IPO of Syngene	Sandoz Biosimilars collaboration signed

Unwavering focus through the years on innovation & difficult to make, niche products to create tangible differentiators for sustainable growth



## **Biocon: Championing Affordable Innovation**





#### **Biocon: Ahead Of The Curve**

→ ST

- To indigenously produce novel biologic, BIOMAb EGFR®
- Biotech company in India to list on the Indian stock exchanges
- Company globally to commercialize rh-insulin manufactured through Pichia fermentation technology

- Company to launch a novel anti-CD6 monoclonal antibody for psoriasis, ALZUMAb™ (Itolizumab), in India
- Indian company to launch a biosimilar Insulin Glargine pen in Japan
- Indian company to get US FDA approval for a biosimilar in US



# Landmark Achievement: USFDA Approval of Biosimilar Trastuzumab

- US FDA approved Mylan/Biocon's biosimilar
   Trastuzumab on December 1, 2017
- Biocon and Sandoz announced an exclusive global collaboration to develop next generation biosimilar immunology and oncology products
- Mylan/ Biocon's biosimilar Insulin Glargine received positive opinion from EMA's CHMP
- Mylan/Biocon received approval for Biosimilar Trastuzumab in Brazil through partner Libbs Farmaceutica
- Biocon launched biosimilar Bevacizumab, KRABEVA® in India for treatment of patients with metastatic colorectal cancer and other types of lung, kidney, cervical, ovarian and brain related cancers





## **Biocon Business Segments**



**Small Molecules** - APIs and Generic Formulations



Biologics - Biosimilars & Novel Biologics



Branded Formulations - Formulations Business in India & UAE



Research Services - Contract Research & Manufacturing



#### **Focus On Biosimilars**

- Over 15 years of experience is developing biologics with four biosimilars commercialized in various markets across the globe.
- Strong scientific and technical capabilities with manufacturing expertise and scale to address global opportunities. Over 1500 people dedicated to support this business across various functions.
- A large diverse portfolio which straddles across insulin and insulin analogs, monoclonal antibodies and recombinant proteins addressing diabetes, oncology and immunology indications.
- Along with our partners, have invested in multiples of hundred million dollars in R&D and capex
- Strategic partnership with global companies like Mylan and Sandoz to cross leverage development and commercialization capabilities in a risk and reward share model
- Meaningful near term growth to be driven by emerging markets with a significant rampup post entry into developed markets.

Strong end to end global player with a large diverse biosimilar portfolio



#### **Strategic Partnerships: Mylan**

#### **BIOCON**

- Global-scale, complex biologics manufacturing capabilities
- Facilities accredited by international regulatory agencies
- Decade-long experience & demonstrated expertise in developing MAbs and other biologics

#### **MYLAN**

- Strength in Regulatory/ filings strategy
- Strong commercialization capability in US and EU.
- Market agility and speed

Deal Structure: Upfront Payment + Cost Sharing + Supplies + Profit Sharing#				
Generic Insulin Analogs Biosimilar MAbs & other Biol				
Mylan's Exclusive Commercialization Regions	US, Canada, Europe, Australia & New Zealand	Developed markets		

Strategic collaboration leverages Biocon's strong development & manufacturing capability and Mylan's regulatory & commercial excellence



## **Strategic Partnerships: Sandoz**

#### **Deal Structure**

Portfolio addresses next wave of immunology and oncology biosimilars

Both companies share responsibility for end-to-end development, manufacturing and global regulatory approvals for a number of biosimilars

Costs & profits are shared equally

#### **Commercialization Responsibilities**

Sandoz		Biocon		
1. 2.	North America (US & Canada) EU (European Free Trade Association (EFTA) and Balkan states)	<ol> <li>Japan, Australia, New Zealand</li> <li>All Emerging Markets</li> </ol>		

Broader Biocon participation in end to end development and commercialization with a global leader in biosimilars



# Disclosed Biosimilars Pipeline - A Multi-billion Dollar Opportunity

INSULINS

Molecule	Туре	Status
Rh Insulin	Regular Acting Insulin	Pre-clinical (US), Marketed in EM
Glargine	Long Acting Insulin	EU (+CHMP opinion). Under review in US, Australia & Canada. Marketed in Japan (since Jul-16) & EMs
Aspart	Rapid Acting Insulin Analog	Global Phase I
Lispro	Rapid Acting Insulin Analog	Preclinical

**BIOSIMILARS** 

Adalimumab	Auto-Immune	Global Phase III completed		
Trastuzumab	Cancer	Approved in US. Under review in EU, Canada, Australia, Filed/ Marketed in EM		
Pegfilgrastim	Neutropenia	Filed in US, EU, Canada, Australia, EM		
Bevacizumab	Cancer	Global Phase III. Marketed in India		
Filgrastim	Neutropenia	Early development		
Etanercept	Auto-Immune	Early Development		



## **Biocon Well Placed In The Competitive Landscape**

Molecule	Biosimilar Development Pipeline <sup>®</sup>					
	Phase I	Phase 3	Regulatory Submission		Approved/ Marketed	
			EMA	FDA	EMA	FDA
Pegfilgrastim	DRL, Pfizer		Biocon, Coherus, Sandoz, Cinfa, USV, Apotex	Biocon, Coherus, Apotex, Sandoz	None	None
Ttrastuzumab		Hanwha	Biocon, Amgen, Pfizer,	Amgen, Celltrion, Pfizer, Samsung	Samsung, Celltrion (+CHMP)	Biocon
Insulin Glargine				Biocon	Biocon +CHMP), Eli Lilly, Merck	Eli Lilly, Merck (TA)
Adalimumab	Oncobiologics	Coherus, Biocon, Momenta, Pfizer, Fresnius,,	Fuji-Kirin, Sandoz	Samsung, Sandoz	Amgen, Samsung, BI	Amgen, BI
Bevacizumab	Sandoz, Daiichi, Oncobiologics, Cipla, DRL	Biocon, BI, Pfizer, Samsung, Fuji- Kirin/ Astra Zeneca			Amgen	Amgen
Filgrastim	Pfizer			Apotex, Adello	Sandoz, Teva, Pfizer, Stada, Intas	Sandoz, Teva
Eetanercept	Hanwha	Coherus, Lupin, Samsung			Samsung, Sandoz	Sandoz
Insulin aspart Iinsulin lispro rh-insulin	Biocon				Sanofi	Sanofi

<sup>@</sup> Biosimilar Development Pipeline details may not be exhaustive, pipeline progress may not be perfectly accurate; Source: Company disclosures, research reports



## **Global Scale Manufacturing Capabilities in India**

- Largest Biologics Manufacturing capability in India
- State-of-the-art manufacturing facilities mammalian & microbial.
- Facilities conform to most stringent cGMP guidelines.
- Successfully audited by US FDA, EMA, ANVISA, COFEPRIS, PMDA etc.
- Second fill-finish sterile injectable line in Bangalore has been approved by the DCGI. Will support future growth of biologics formulations
- Construction of second antibody manufacturing facility in Bangalore

## Manufacturing Locations

- Bangalore
- Hyderabad
- Vishakhapatnam
- Malaysia





# Biosimilars Manufacturing: Malaysia Insulins Plant Commercialized

#### Biocon Malaysia: Asia's largest integrated insulins manufacturing facility



- Asia's largest integrated Insulins facility; to manufacture Drug Substance, Drug Products in vials, cartridges and devices.
- Biocon's first overseas manufacturing facility with an Investment of over US\$275
- cGMP approval from NPRA, Malaysia,
   Commercial supplies initiated with OTA award
   by Ministry of Health, Malaysia
- Plant has received EMA GMP certificate for drug substance and drug product
- Emerging market filings underway, commercial supplies to these markets expected to contribute to sales in FY18 and beyond

Biocon over the years have built global scale and cost competitive, complex manufacturing capabilities to address global market opportunities



# Novel Molecules - Pipeline & Therapeutic Area Focus

**DIABETES** 

**Insulin Tregopil \*** 

First-in-Class Oral, Prandial Insulin

India Phase II/III in T2D commenced

**IND Ready** 

**INFLAMMATION** 

Itolizumab\*

Novel, humanized CD6 Antibody

BVX-20#

Novel, humanized CD20 Antibody

**QPI-1007**\$

SiRNA for ophthalmic disease

**IND Ready** 

**Phase III in NAION** 

IMMUNO-ONCOLOGY

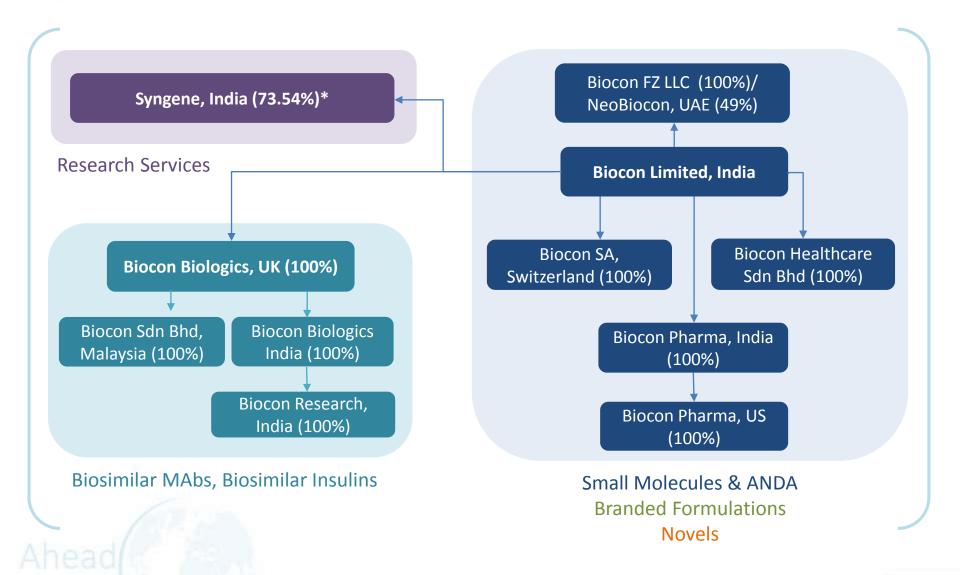
**Tumor-Targeted Fusion mAb\*** 

**Preclinical** 

- \* In-House program
- # BVX-20 with Vaccinex
- \$ QPI-1007 with Quark Pharma. QPI-1007 Global Phase III trial includes India.



### **Business Holdings Structure**







Thank you