

# Views on the Generics Market

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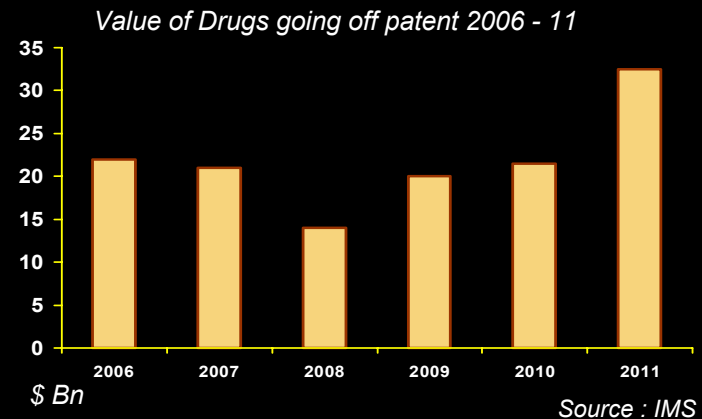
EGA Conference  
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# Safe Harbor

Except for the historical information contained herein, statements in this presentation and the subsequent discussions, which include words or phrases such as “will”, “aim”, “will likely result”, “would”, “believe”, “may”, “expect”, “will continue”, “anticipate”, “estimate”, “intend”, “plan”, “contemplate”, “seek to”, “future”, “objective”, “goal”, “likely”, “project”, “should”, “potential”, “will pursue” and similar expressions or variations of such expressions may constitute “forward-looking statements”. These forward-looking statements involve a number of risks, uncertainties and other factors that could cause actual results to differ materially from those suggested by the forward-looking statements. These risks and uncertainties include, but are not limited to our ability to successfully implement our strategy, our growth and expansion plans, obtain regulatory approvals, our provisioning policies, technological changes, investment and business income, cash flow projections, our exposure to market risks as well as other risks. Ranbaxy does not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date thereof.

# Key Drivers of Growth

- Significant patent expiries through 2011



- Increasing genericisation



France



Spain



Italy

- Accelerating branded generics



Russia



South Africa



India

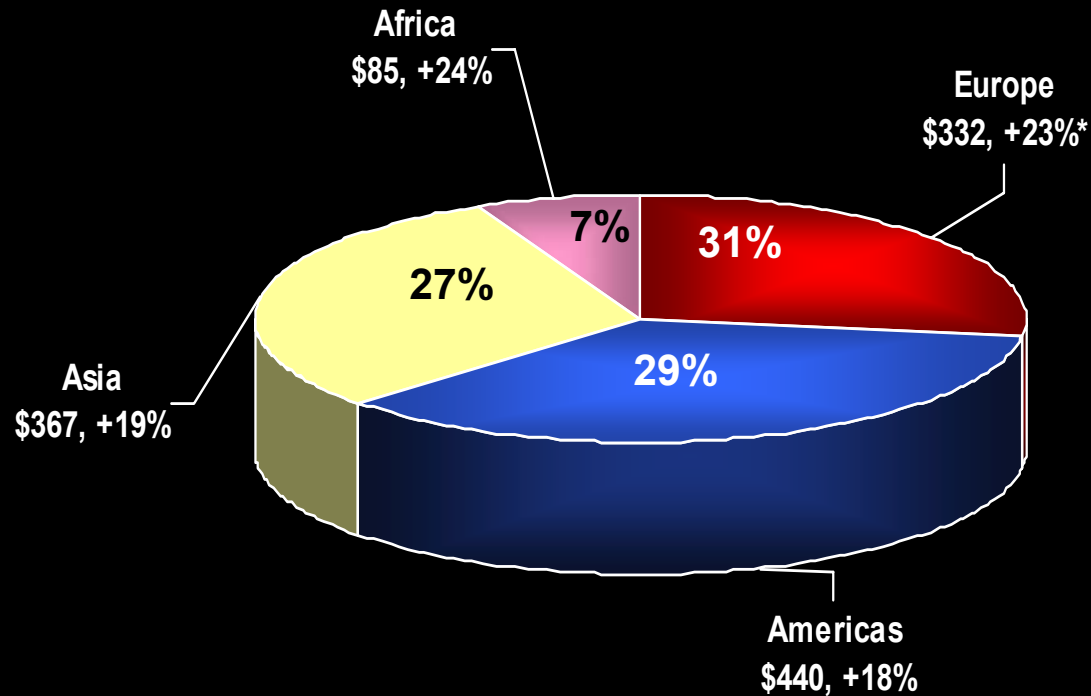
- Rationalizing Healthcare costs  
- key priority for Governments

# Key Issues

- **Increasing competition**

- **Increasing focus on costs**

# Geographic Sales Split – Q1 2007



## Global Sales – Q1 2007 (US\$ Mn)

DF	332	+30%
API	23	-25%
<b>Total</b>	<b>355</b>	<b>+24%</b>

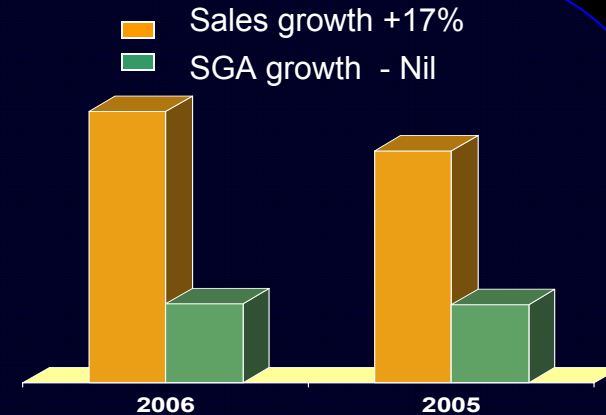
**Sales Q1 2007 – Dosage Forms US\$ 332 Mn**

\* Including CIS, RoW – Rest of the World

**RANBAXY**

# Increasing Focus on Costs

- Optimizing SG&A cost structures

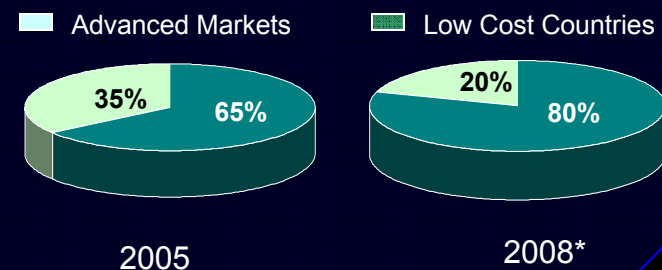


- Improving R&D cost efficiencies

% Bio-Studies (BA/BE<sup>^</sup>) conducted

	2006	2005
In-House	71%	28%
Overseas CRO	8%	61%
Indian CRO	21%	11%

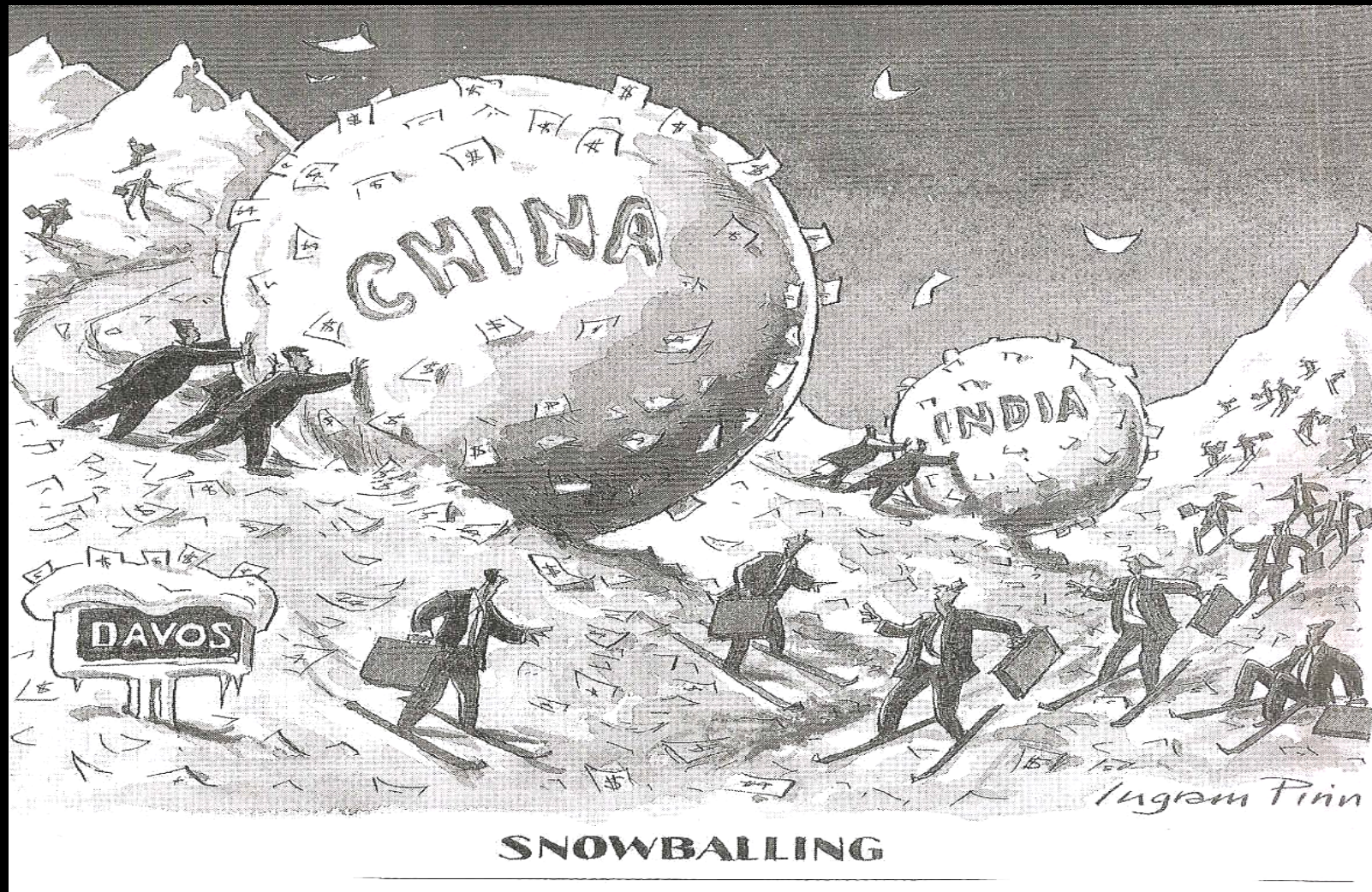
- Increasing sourcing from low cost countries .i.e. India & China



\* Estimate, ^ Bio-Analytical / Bio - Equivalence

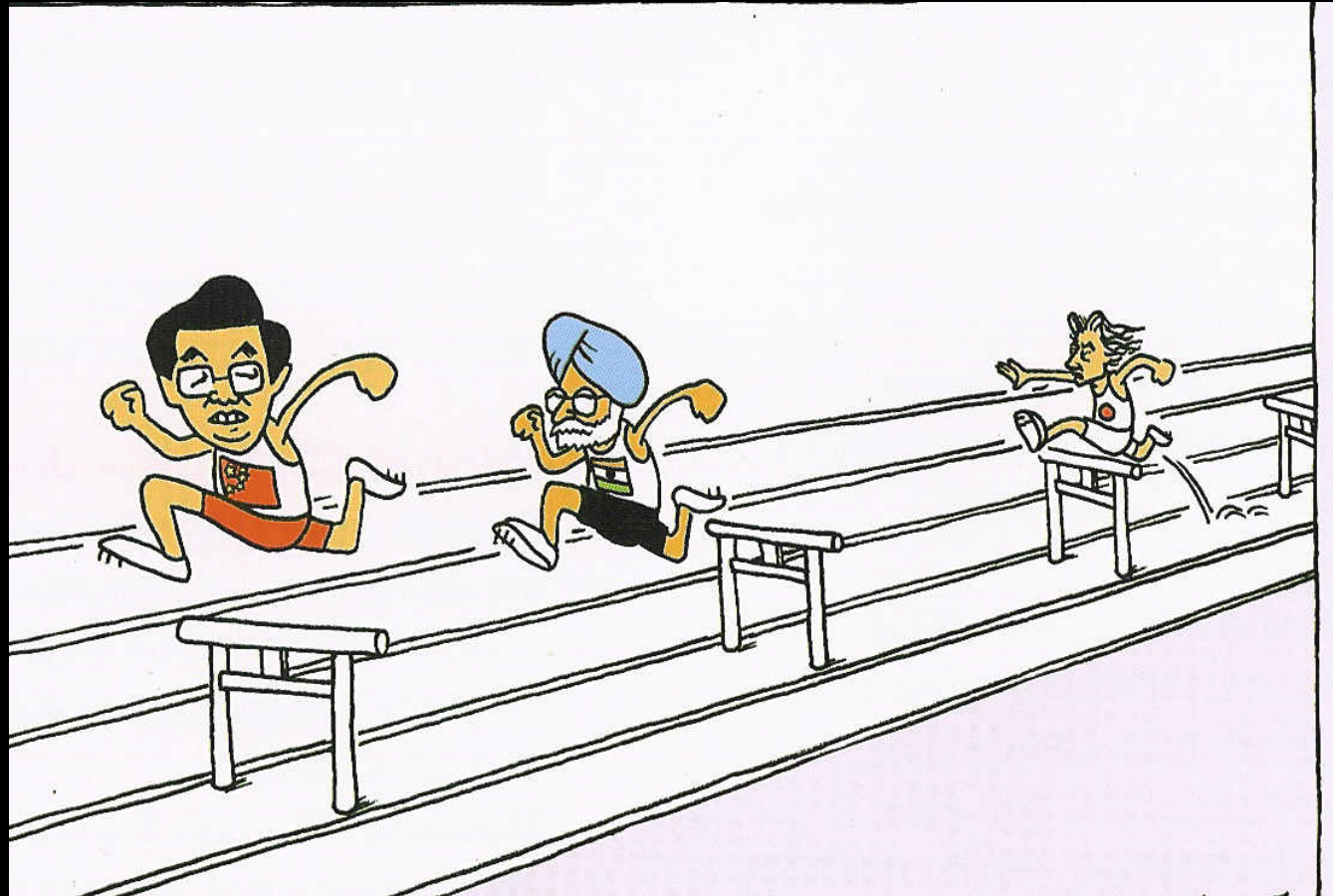


# The India Pharma Story – Davos 2006



Source – Financial Times

# A race to prosperity





# Scientific Manpower Output

## Number of Higher Education Institutions

	<b>05/06</b>	<b>18,123</b>	<b>+59%</b>
<b>00/01</b>	<b>11,412</b>		
<b>90/01</b>	<b>5,932</b>		
<b>80/01</b>	<b>4,861</b>		

Source: Indian University Grants Commission

## Number of Students enrolled in Higher Education Institutions

	<b>05/06</b>	<b>10,500</b>	<b>+40%</b>
<b>00/01</b>	<b>7,500</b>		
<b>90/01</b>	<b>4,000</b>		
<b>80/01</b>	<b>3,000</b>		

Source: Indian University Grants Commission

## Number of Institutions courses

	<b><u>05/06</u></b>	<b><u>99/00</u></b>		
<b>Pharmacy</b>	<b>1478</b>	<b>669</b>	<b>+120%</b>	
<b>Medicine</b>	<b>229</b>	<b>174</b>	<b>+32%</b>	
<b>Physiotherapy</b>	<b>205</b>	<b>52</b>	<b>+294%</b>	

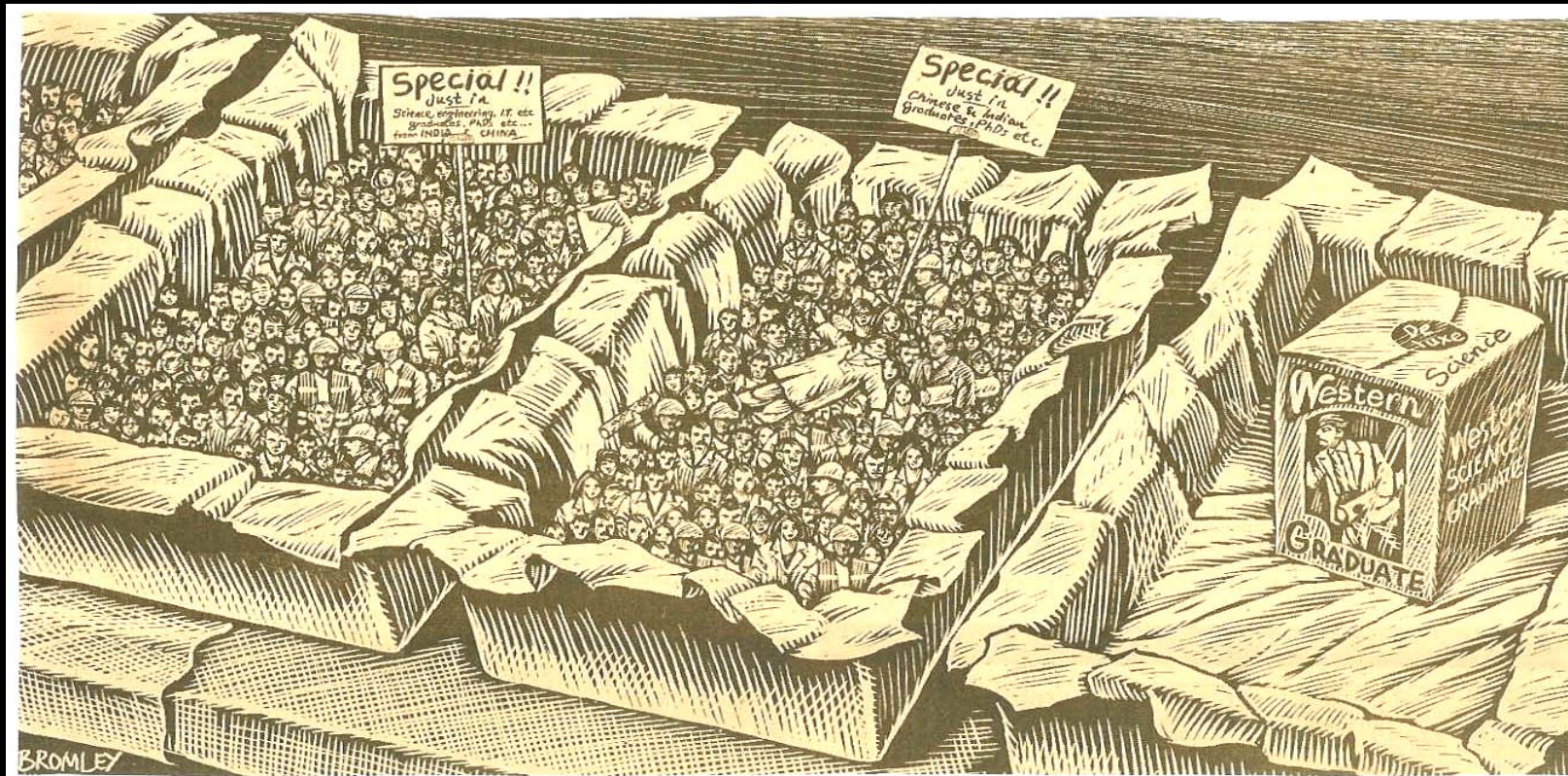
Source: Pavan Agarwal (2006) based on data from professional councils

## PhD Degree awarded in Science

	<b>03/04</b>	<b>5408</b>	<b>+44%</b>
<b>00/01</b>	<b>3734</b>		
<b>90/01</b>	<b>2950</b>		
<b>(USA 03/04</b>	<b>25,000)</b>		

Source: Indian University Grants Committee

## The Education Advantage



Engineers/Science graduates p.a. – India 0.7 mn, China 0.5 mn, EU 0.5 mn, USA 0.4 mn, Japan 0.3 mn

# India in Global Generics

% Share of USA DMF filings

	<u>India</u>	<u>China</u>
2004	27%	9%
2005	37%	10%
2006	44%	14%
Q4'06	47%	9%

Source: US FDA / J P Morgan Research

Highest No  
of DMF filings

FDA Approved  
Plants in India

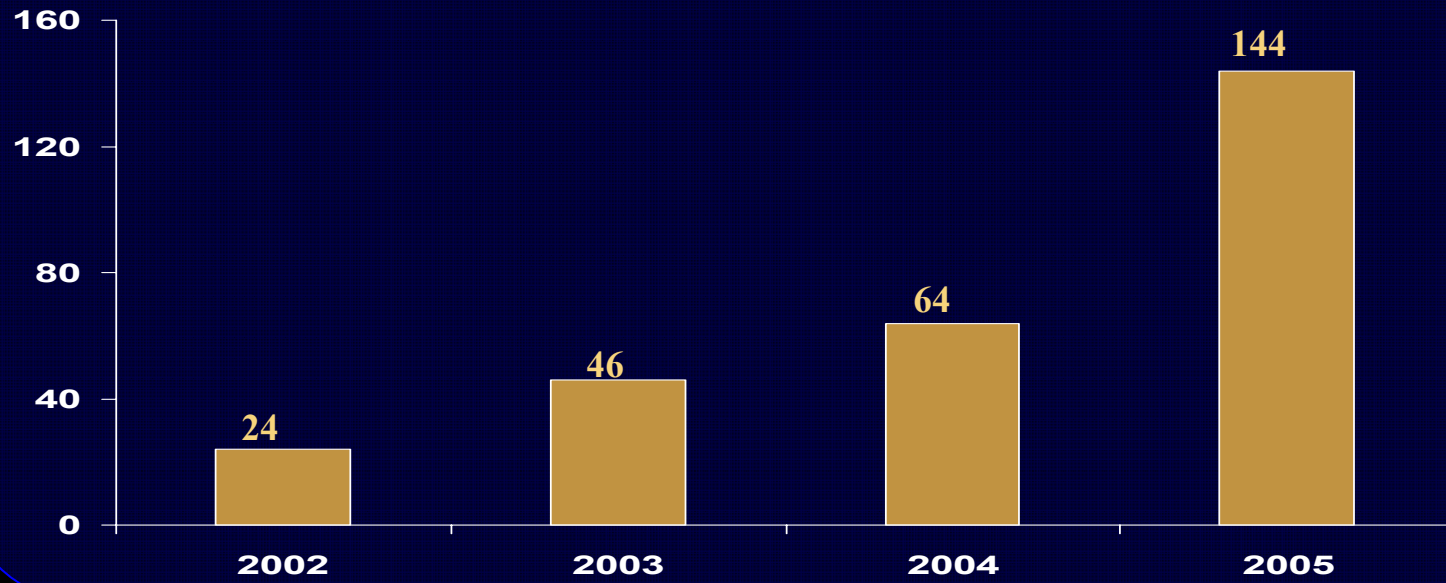
India has the most US FDA approved pharmaceuticals mfg. sites outside the USA



Source: US FDA

## India in Global Generics

### ANDA Filings in USA by Indian Companies



- **One in every four ANDAs filed by Indian Companies in top US FDA filers**  
*(Source: KPMG)*
- **No Chinese generic company has yet filed a US FDA ANDA but expected in 2008**



# Generic Research & Development

- 27 ANDA filings in USA
- 33 Filings in the European Union

## 2006 Product Filings & Approvals

Key Country / Region	Dosage Forms		API	
	Filings	Approvals	Filings	Approvals
USA	27	10	15	5
European Union	33	32	100	117
BRICS	95	71	14	12
Rest of World	462	474	42	22
<b>Total</b>	<b>617</b>	<b>587</b>	<b>171</b>	<b>156</b>

*Excludes India for API approvals, EU filings and approvals include Mutual Recognition Procedure (MRP) and De-centralized Procedure (DCP) filings and approvals.*



# Enhancing In-house Technologies

## Penems

- Market size worldwide of ~ US\$ 1.5 bn
- Imipenem + Cilastatin launched in India, China, Africa, APAC
- Key US / EU launches beginning 2009

## Limuses

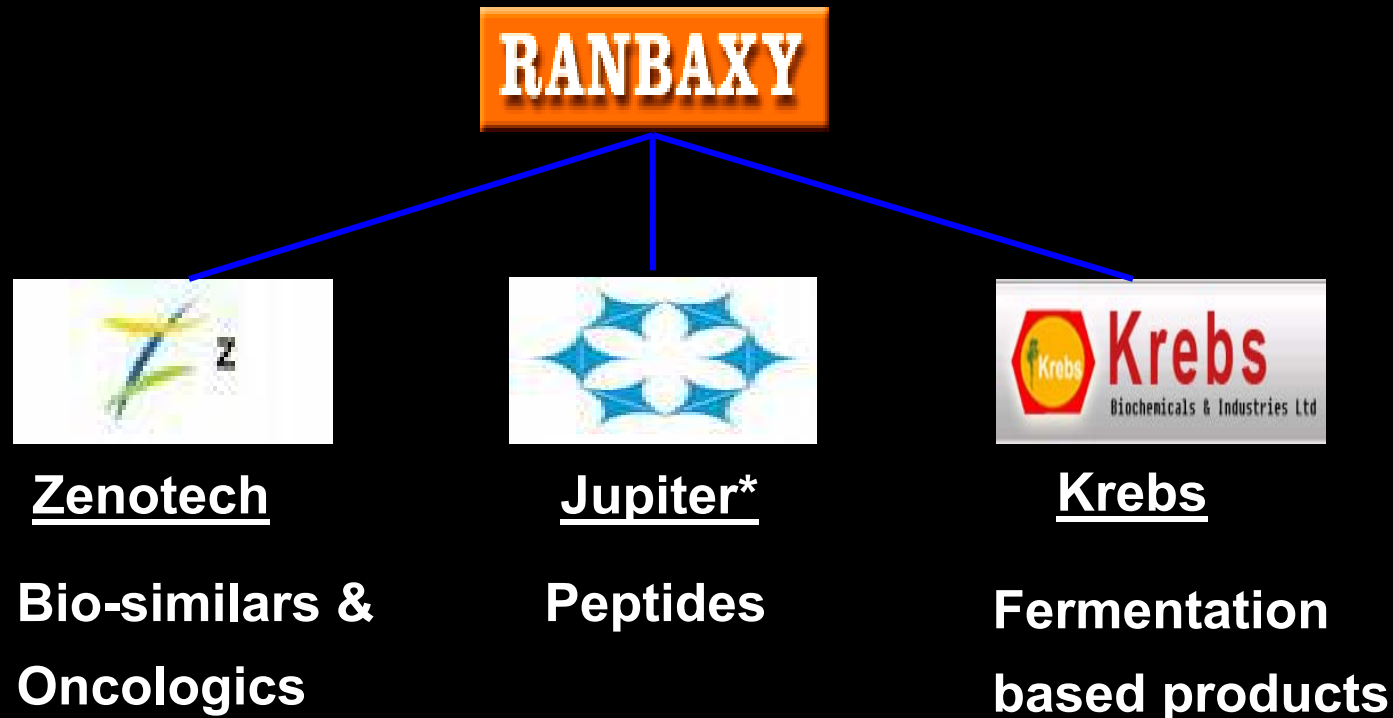
- Global market size in excess of US\$ 1.5 bn
- Ex - US / EU launches beginning 2008
- Well placed for US / EU launches

## Oral High Potency Non-cytotoxics

- Worldwide market in excess of US\$ 5 bn
- Patents expiring from 2008 onwards
- Day 1 launches planned for US / EU

# Niche Alliances

- Increasing focus on chronic / lifestyle diseases segment
- High entry barriers - technology & resource intensive



\* Subject to due diligence

# Recent Acquisitions & Alliances



- Terapia (Romania)

- Be-Tabs (South Africa)

- Allen (Italy)

- Ethimed (Belgium)

- Mundogen (Spain)

- Zenotech (India)

- Krebs (India)

- Jupiter Biosciences\*(Ind.)

- Cardinal Drugs (India)

- Auto-injector Tech.(USA)

\* Subject to due diligence

# In Summary

- **Many reasons for generics industry growth**
- **However increasing competition**
- **Continuing focus on cost optimization**
- **Robust product flow including niches & alliances**
- **Growth through organic & inorganic**

Thank you

15 June 2007