



30<sup>th</sup> March 2016

**BSE Ltd.**  
**Department of Corporate Services**  
1<sup>st</sup> Floor, New Trading Ring,  
Rotunda Building, P J Towers, Dalal Street,  
Fort, Mumbai - 400 001  
Fax: 022-22723121/ 3719/ 2037/ 2039

**The Secretary**  
**National Stock Exchange of India Ltd.**  
Exchange Plaza  
Bandra-Kurla Complex, Bandra ( East)  
Mumbai - 400 051  
Fax: 022-26598237/8238

Dear Sir,

**Sub: Investors & Analysts visit at Vilayat Plant on 30<sup>th</sup> March 2016**

We refer to our letter dated 28<sup>th</sup> March 2016 on captioned subject.

Enclosed is the presentation which is being made at the Investors & Analysts visit at Company's Plant at Vilayat today, 30<sup>th</sup> March 2016.

The aforesaid information is also being uploaded on the website of the Company [www.grasim.com](http://www.grasim.com).

Thank You

Yours faithfully,  
For Grasim Industries Limited

A handwritten signature in black ink, appearing to read 'Hutokshi Wadia', is written over a horizontal line.

**Hutokshi Wadia**  
**Sr. Vice President & Company Secretary**

Encl: As Above



*Grasim Industries Limited*  
*A VSF and Cement Major*

*Vilayat Plant Visit*

## Cautionary Statement

*Statements in this 'Presentation' describing the Company's objectives, estimates, expectations or predictions may be 'forward looking statements' within the meaning of applicable securities laws and regulations. Actual results could differ materially from those expressed or implied. Important factors that could make a difference to the Company's operations include global and Indian demand supply conditions, finished goods prices, feedstock availability and prices, cyclical demand and pricing in the Company's principal markets, changes in Government regulations, tax regimes, economic developments within India and the countries within which the Company conducts business and other factors such as litigation and labour negotiations. The Company assumes no responsibility to publicly amend, modify or revise any forward looking statement, on the basis of any subsequent development, information or events, or otherwise.*

### Glossary

VSF : Viscose Staple fibre, PSF : Polyester Staple Fibre, PFY : Polyester Filament yarn, MT : Metric Ton, TPA : Tons Per Annum, YoY: Year on Year Comparison, CY : Current Year EBITDA : Earnings before Interest, Tax, Depreciation and Amortisation, ROAvCE : Return on Avg. Capital Employed, RONW : Return on Avg. Net Worth

# Presentation Structure

Introduction

VSF Business

Chemical Business

Vilayat Facility

# Grasim: Market leader across Business Segments

## Viscose Staple Fibre

Revenue ₹ 73 Bn.  
(US\$ 1.1 Bn.)

### Leading Global Player

- Capacity : 498K TPA
- Grasim commands 9% global share; ABG share 17%
- Integrated model with experience of more than six decades

**Chemical**  
Revenue ₹ 33 Bn.  
(US\$ 0.5 Bn.)

### Largest Chlor-Alkali Manufacturer in India

- Capacity increased from 452K TPA to 804K TPA post ABCIL merger
- Portfolio of value added products - Epoxy (52K TPA) and Chlorine Derivatives (410K TPA)

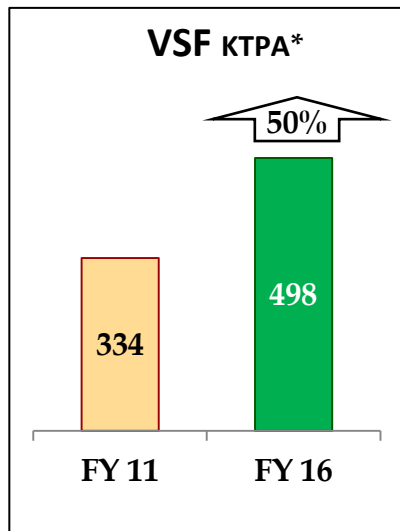
**Cement**  
Revenue ₹ 248 Bn.  
(US\$ 4.0 Bn.)

### Largest manufacturer in India

- Capacity : 67.7 Mn. TPA
- Total capacity to reach ~92 Mn. TPA on commissioning of grinding unit (2.2 Mn. TPA) and completion of JPA acquisition (22.4 Mn. TPA)
- Market leader in White Cement & Putty (1.4 Mn. TPA) and Ready Mix Concrete

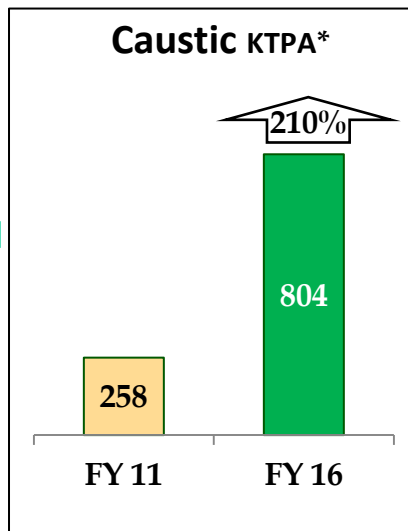
# Investment in Growth .....

Substantial Investment made across Businesses - US\$ 4 Bn. over last five years

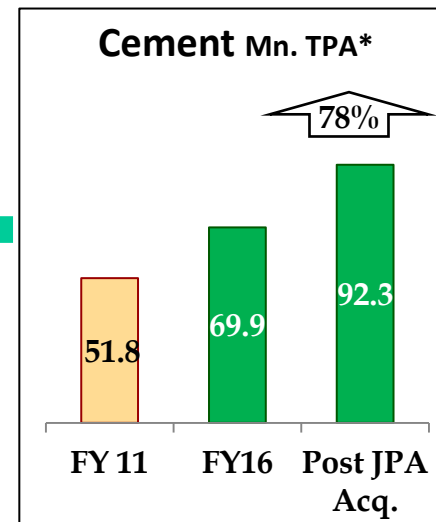


*Leading Global Player*

\* Capacity

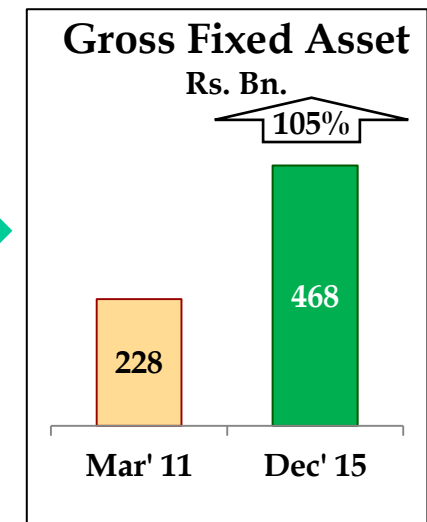


*Largest in India*



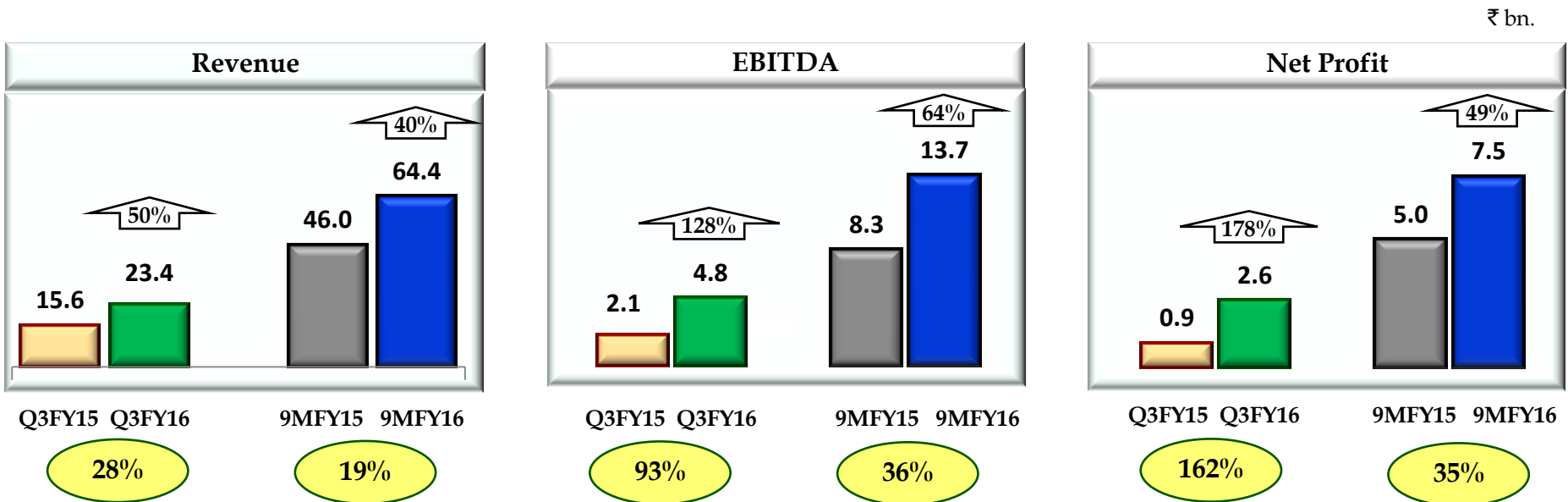
*Largest in India*

\* On completion of acquisition of JPA's assets

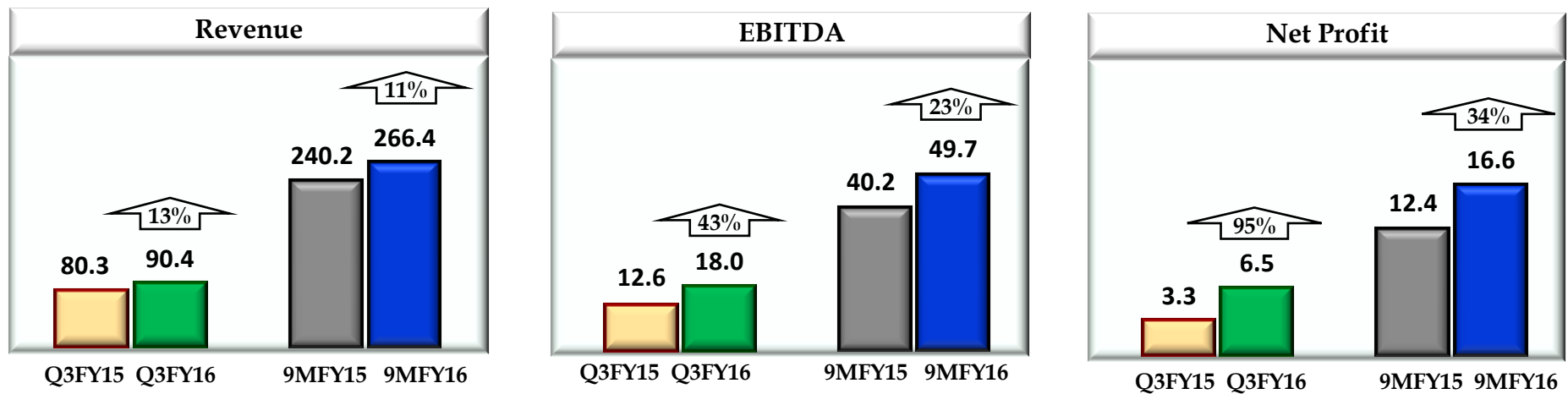


# .....Yielding Results

## Standalone



## Consolidated



# .....Balance Sheet Continues to be Strong

Standalone		Particulars	Consolidated ₹ bn.	
9M 2015-16	FY 2014-15		9M 2015-16	FY 2014-15
124	112	Net Worth	253	231
22	11	Debt	117	119
7	0.2	Net Debt	58	61
0.18	0.10	Debt:Equity (x)	0.35	0.39
0.06	-	Net Debt: Equity (x)	0.17	0.20
0.39	-	Net Debt/EBIDTA	0.88	1.08
		ROAvCE (%) (Excluding CWIP)	10.8	10.5
		RONW (%)	9.2	7.8



# Presentation Structure

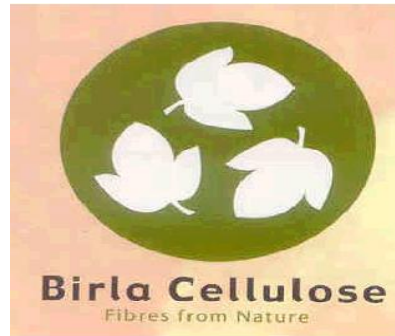
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# Viscose Staple Fibre (VSF)



*Birla Viscose*

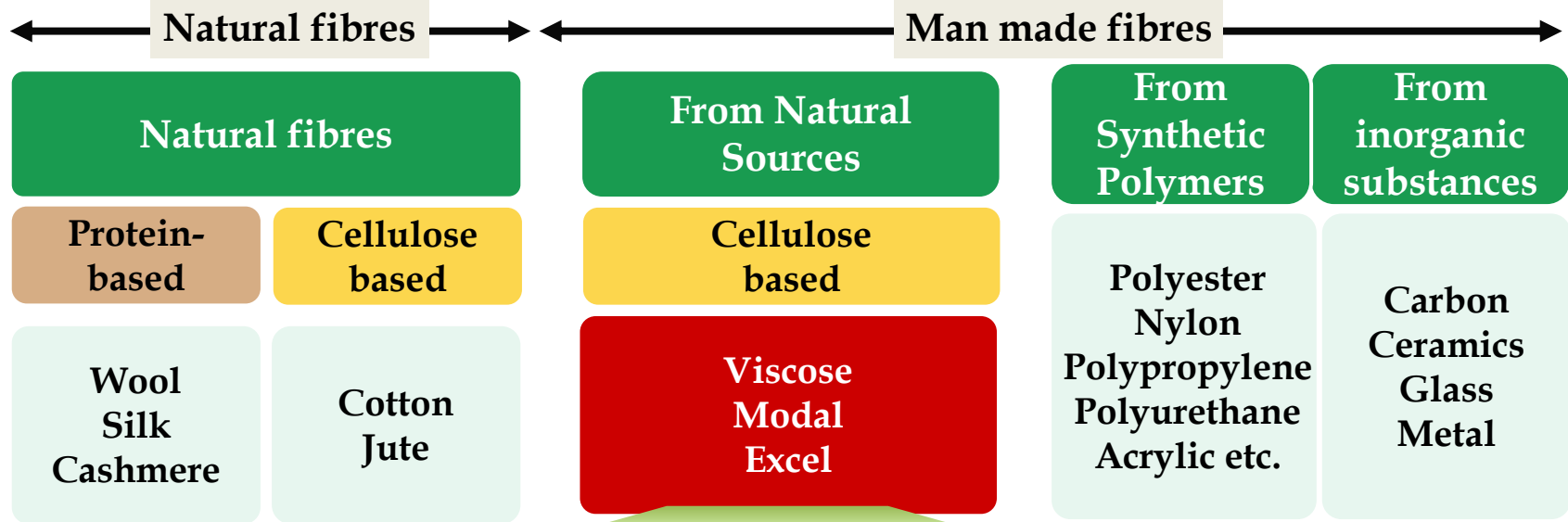


*Birla Modal*



*Birla Excel*

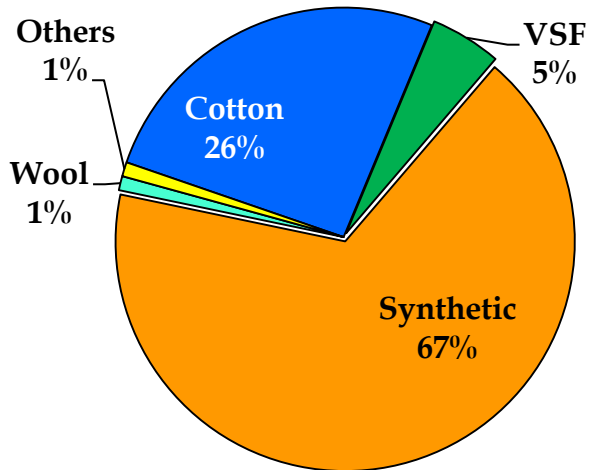
# VSF: Cellulosic Fibre With Many Unique Attributes



Blend, Technology & Application Versatility

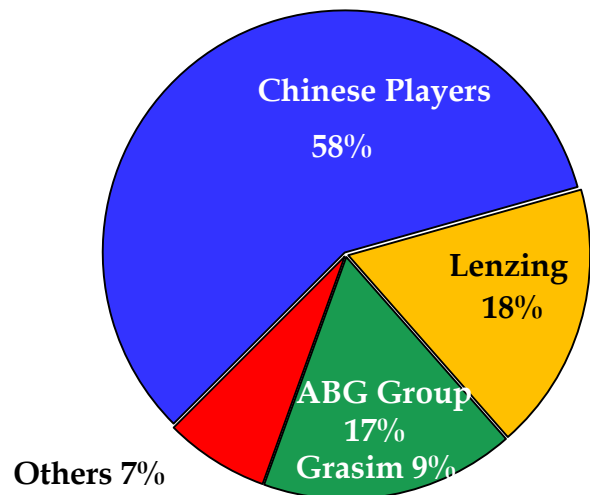
# VSF: Global Industry Scenario

## Global Fibre Pie (95 Mn. MT)



Source: Fibre Organon (for CY 2015)

## VSF Business Global Market Share



Source: Company estimate (for CY 2014)

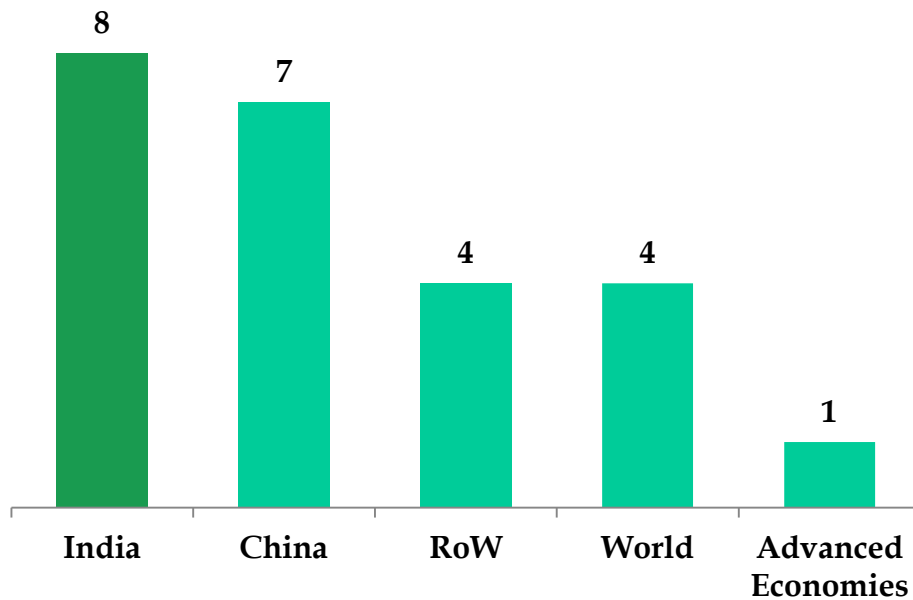
- VSF: A cellulosic fibre
  - 5% of global fibre market
  - 7% of global man-made fibre market

- Major Global Players' Capacity '000 TPA
  - ABG group (incl. Grasim) : 935
    - of which Grasim : 498
  - Lenzing : 996  
(Austria, Indonesia & China)

# Grasim : Rightly Placed

## Presence in Right Market

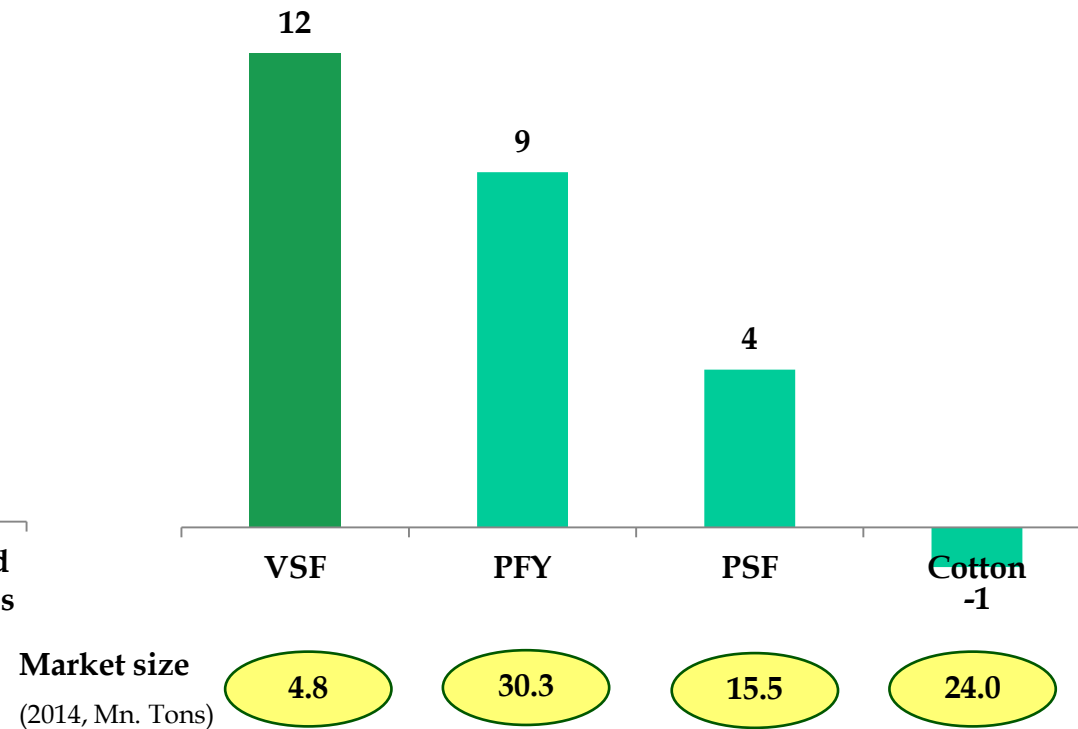
Apparel Growth 2009 - 2014 (%)



Source : Euro Monitor

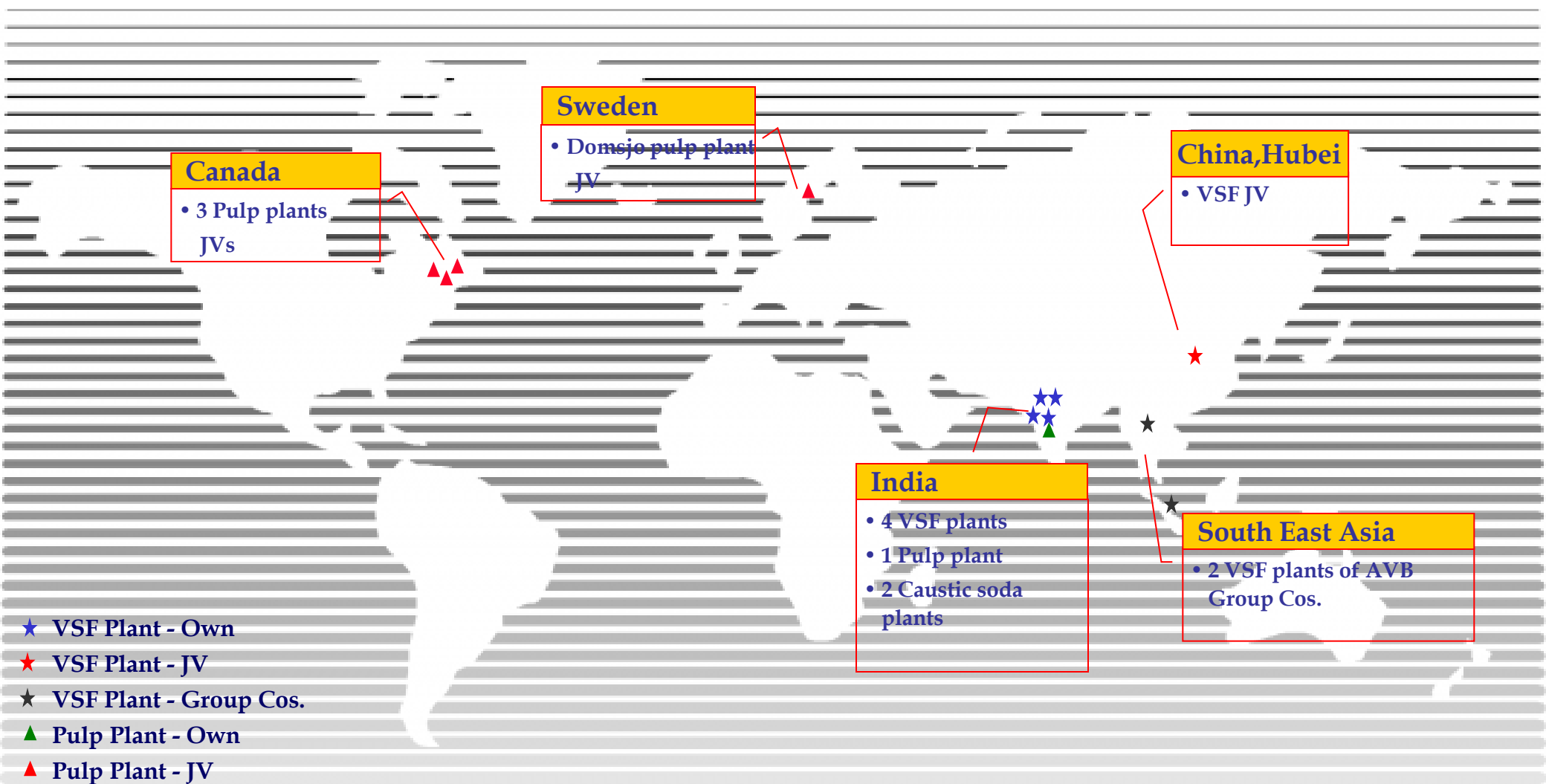
## .....and Right Product

Fibre Growth 2009 - 2014 (%)



Source : Fibre Organon

# VSF: Global Presence



# VSF: High Backward Integration

Input	% of Cost	Capacity	Requirement Met
<ul style="list-style-type: none"> <li>• Dissolving Grade Pulp</li> <li>• Caustic Soda</li> <li>• Power &amp; Steam</li> </ul>	<ul style="list-style-type: none"> <li>• 55% - 60%</li> <li>• 10% - 15%</li> <li>• 10%</li> </ul>	<ul style="list-style-type: none"> <li>• 4 Manufacturing plants <i>(India : 1 &amp; Overseas : 3)</i></li> <li>• 804K TPA</li> <li>• 290 MW</li> </ul>	<ul style="list-style-type: none"> <li>• 55% - 60%</li> <li>• Fully captive</li> <li>• Fully captive at all locations</li> </ul>

**Sustainable competitive advantage through integrated business model**

# VSF : Greater Connect with Consumers thru' Liva



A Co-branded partner  
uses a "liva tag" on each garment

VAN HEUSEN

**Solly**  
Allen Solly

**PEOPLE**  
MEN • WOMEN • KIDS • ACCESSORIES

**BIBA**

global desi

**S**  
SHOPPERS STOP

**soch**

**fbf**  
India's Fashion Hub

**madame**

**melange®**  
by lifestyle

**FUSION BEATS**

**109°F**

pantaloons

**max**  
LOOK GOOD. FEEL GOOD.

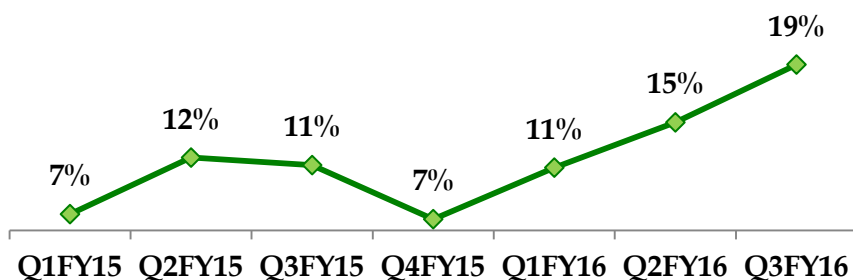


# VSF: 9M FY16 Performance

(₹ Bn.)	2013-14	2014-15	9M 2015-16
Capacity ('000 TPA)*	375	434	374
Sales Volume ('000 MT)	367	403	337
Net Revenue	47.1	49.7	42.9
EBITDA	7.2	4.7	6.6
EBITDA Margin	15%	9%	15%
EBIT	5.7	3.1	4.9

\* Effective capacity for the period

## Healthy Recovery in Margin



## Global Industry Scenario

- Global prices witnessed uptrend in first half

## Business performance

- Robust volume growth - up by 19% YoY
  - Intensive business development activities leading to increase in usage of VSF
  - Full ramp up of Vilayat plant
  - Higher sales of specialty fibre
- EBITDA increased by 79% YoY
  - Higher volumes
  - Margins improved from 10% to 15%
    - o Economies of scale
    - o Lower input cost

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**Largest Chlor - Alkali manufacturer in India**



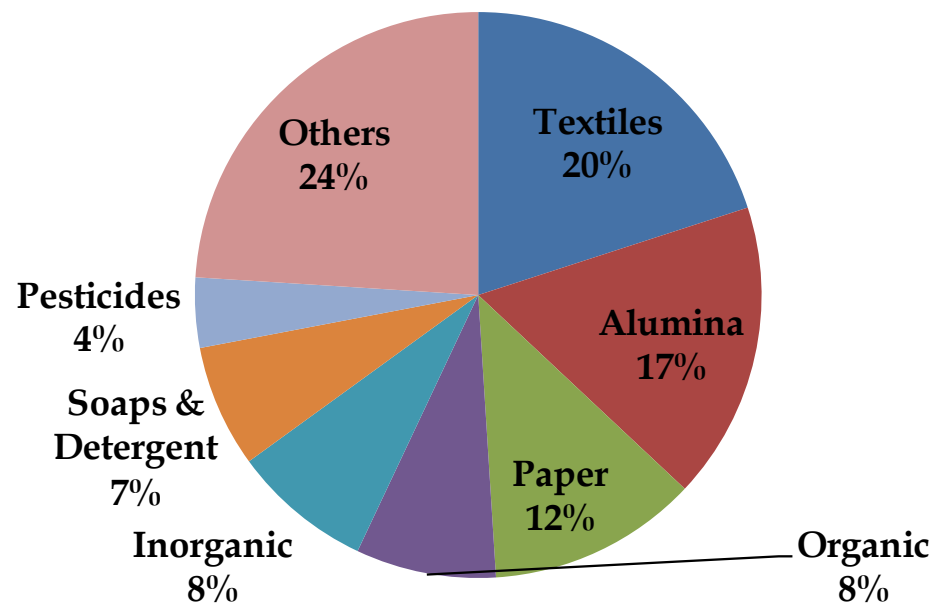
**Largest producer of Epoxy Resins in India**



**Largest value-added product portfolio including water treatment chemicals**

- Caustic Soda demand of 3.2 Mn. TPA in FY15 in India
- Caustic Soda has developed end-user market in India
- Top 5 players account for 60% of market share
- Manufacturing capacities concentrated in Western and Southern region, with easy availability of Salt
- India net importer of Caustic Soda
  - Sluggish demand growth of Chlorine (a by product) restricts capacity addition

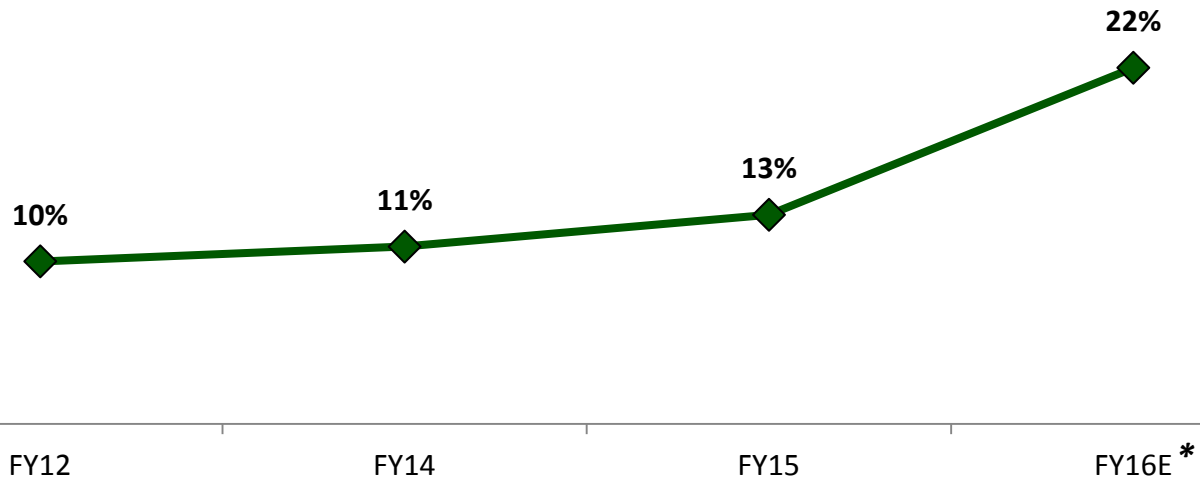
## Caustic Soda Usage in India



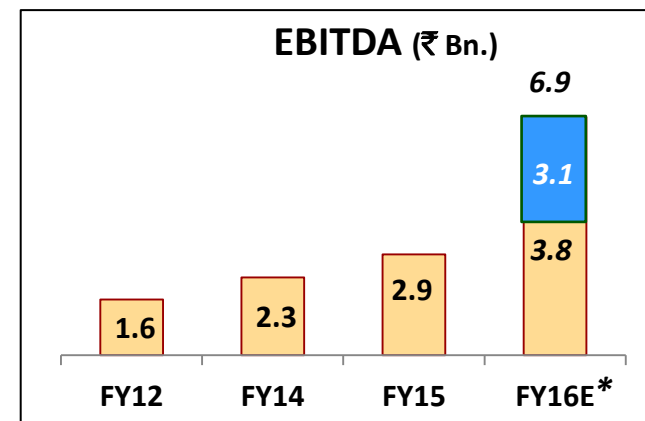
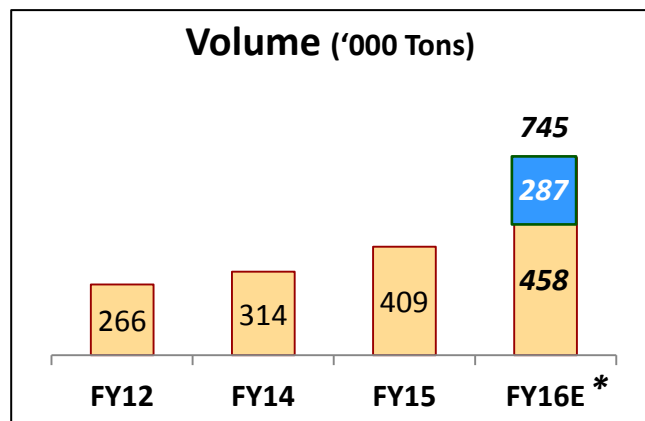
Source : AMAI

# Chemical Business : On a strong growth path.....

**Merger of ABCIL & Vilayat Greenfield Capacity - Market share more than doubled**



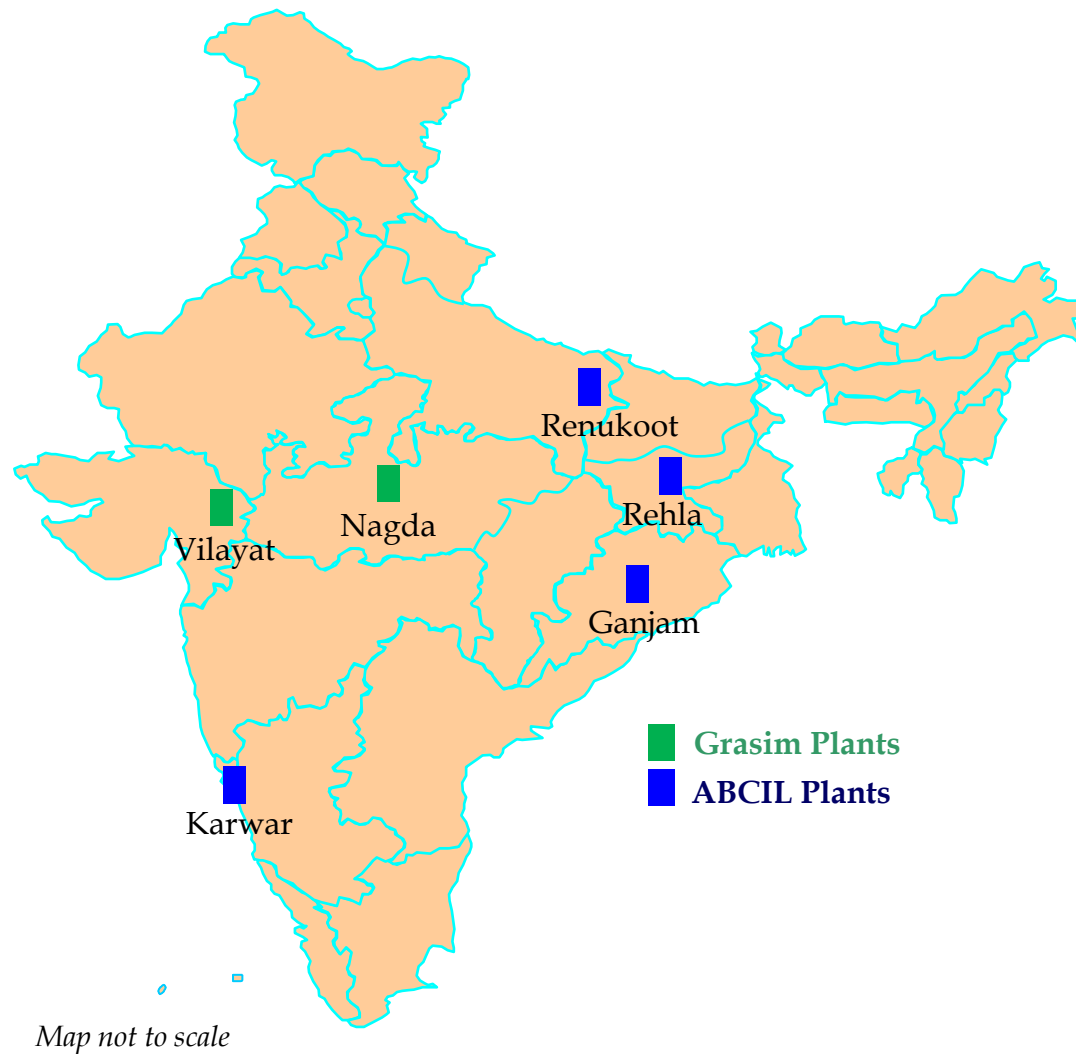
Source : AMAI and Company data



\*FY16 E = Nine months numbers annualised

Grasim ABCIL

# Chemical Business : Footprints



**Geographical diversification with ABCIL merger**

# Value Added Products : Provide Competitive Strength

Product	Major Uses
<b>Polyaluminium chloride (PAC)</b>	<ul style="list-style-type: none"> <li>• Water treatment – drinking and waste water treatment</li> <li>• Paper sizing agent</li> </ul>
<b>Stable bleaching powder (SBP)</b>	<ul style="list-style-type: none"> <li>• Disinfection</li> <li>• Bleaching</li> </ul>
<b>Chlorinated paraffin (CPW)</b>	<ul style="list-style-type: none"> <li>• Plasticizer for PVC pipes and cables</li> <li>• Metal working oils, lubricants (cutting oil), gear oils</li> <li>• Leather treatment chemicals, rexin cloth, textile industry,</li> </ul>
<b>Anhydrous aluminium chloride (AlCl<sub>3</sub>)</b>	<ul style="list-style-type: none"> <li>• As catalyst in manufacturing of pharmaceuticals, agrochemicals, petrochemicals and dyes</li> </ul>
<b>Phosphoric Acid (PA)</b>	<ul style="list-style-type: none"> <li>• Pre-treatment chemicals for metal surfaces in auto industry</li> <li>• Detergents and cleaners</li> <li>• Processing of sugar and edible oils, colas, bakery, cheese</li> </ul>
<b>Chloro-sulphonic acid (CSA)</b>	<ul style="list-style-type: none"> <li>• Manufacture of dyes, dye intermediates and pigments, synthetic sweeteners, drugs and pharmaceuticals</li> </ul>
<b>Calcium chloride (CaCl<sub>2</sub>)</b>	<ul style="list-style-type: none"> <li>• Dehumidifier, de-icer, food preservative, electrolyte</li> <li>• Oil and gas processing</li> </ul>

**Large and diversified Portfolio with total capacity of 410K TPA**

# Chemical Business : 9M FY16 Performance

(₹ Bn.)	2013-14	2014-15	9M# 2015-16
Capacity (000' TPA)*	352	452	559
<u>Sales Volume</u> Caustic Soda ('000 MT)	314	409	558
Net Revenue	10.7	17.0	24.8
EBIDTA	2.3	2.9	5.2
EBIDTA Margin	21%	17%	21%
EBIT	1.6	2.0	3.8

\* Effective capacity for the period

# Includes ABCIL

## Business Performance

- Revenue doubled YoY (LFL increase 20%)
  - Caustic volume up 84%
    - Merger of ABCIL
    - Vilayat Caustic plant achieved 100% capacity utilisation
  - Epoxy volumes up by 66% with product approvals from major customers in place
- EBITDA up by 118% at ₹ 5.2 bn.
  - EBITDA of existing operation increased from ₹ 2.4 bn. to ₹ 2.9 bn.
  - Merger of ABCIL added ₹ 2.3 bn.



# Presentation Structure

Introduction

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Chemical Business

Vilayat Facility

# Vilayat Facility – Salient Features

## Vilayat Complex

- 3 main product plants and various auxiliary plants
- Co-gen captive Thermal Power Plant to meet power and steam requirement

## Viscose Staple Fibre

- Capacity : 120K TPA
- Focus on Specialty Fibre (Modal & Micro Modal)
- Integration with Chemical Plant for synergies in Raw Materials and Effluents
- Focus on Latest Technology
  - CFBC based Steam Generation Unit for increased efficiency and reduced emissions
  - “Reverse Osmosis” waste water treatment for Maximizing Recycling of Effluent
  - Significant reduction in emissions through use of Genosorb Technology
  - Gas Based CS<sub>2</sub> Plant - Reduced Emissions and dependency on Charcoal
  - Efficiency in Energy usage through start of the art equipment and plant layout
  - Best in class Quality through improved Process Controls

# Vilayat Facility – Salient Features

## Caustic Soda

- Capacity : 182K TPA
- State of the art latest technology plant
- Raw material (salt) sources are located nearby
- Portfolio of Value Added Products for effective chlorine usage

## Epoxy

- Capacity : 52K TPA, largest in India
- Portfolio of Value Added Products (Formulated Resins, Reactive Diluents, Hardeners)



**Thank You**

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