

# **Re-Balancing Fibre Requirements for Textile Vision 2020**

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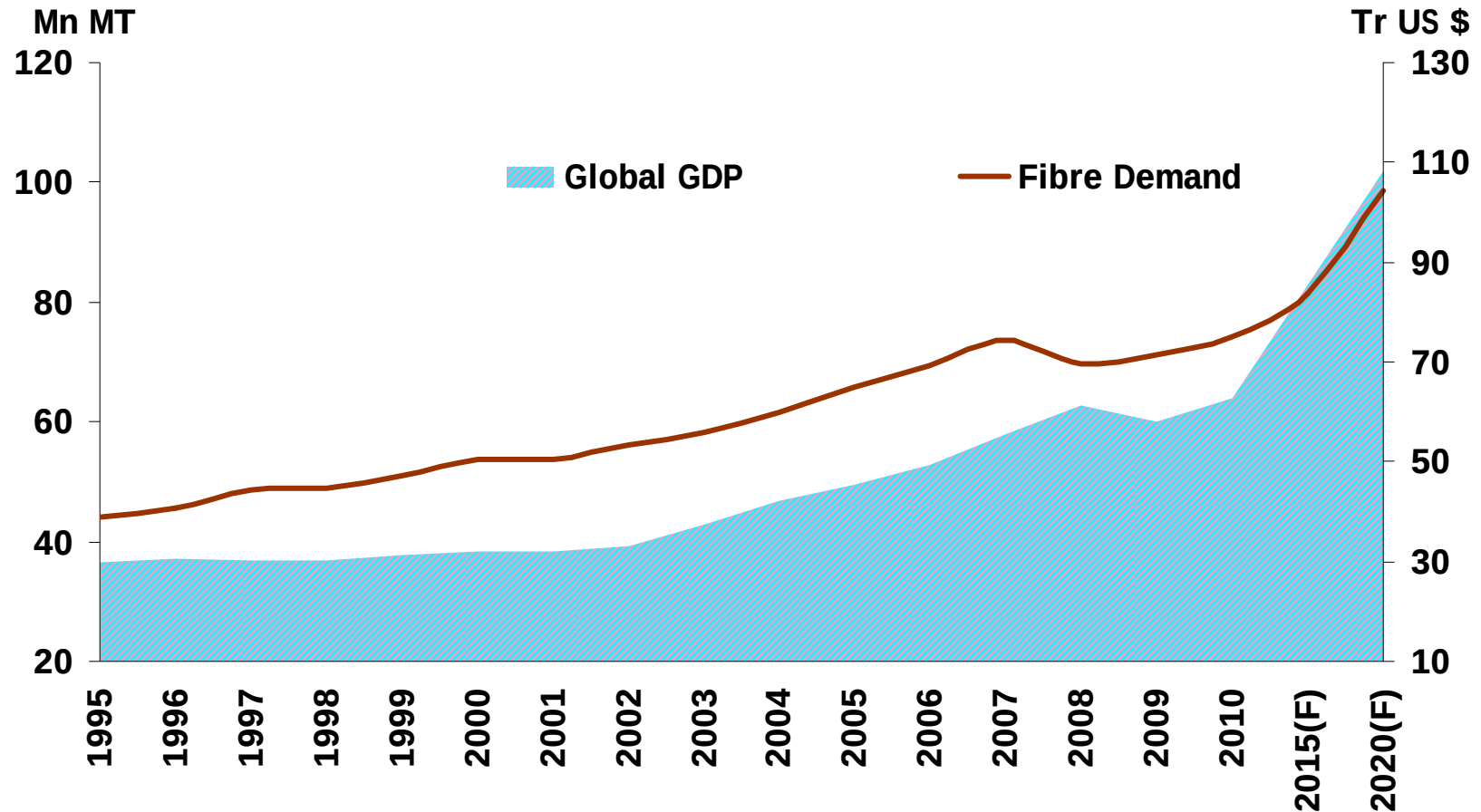
**World Textile Conference, May 6<sup>th</sup> 2011**

# Contents

- ❑ **Global Fibre Market**
- ❑ **Global Trade**
- ❑ **Indian Textile Industry**
- ❑ **Indian Fibre Demand**
- ❑ **Reliance Initiatives**
- ❑ **Conclusion**



# World Growth & Fibre Demand

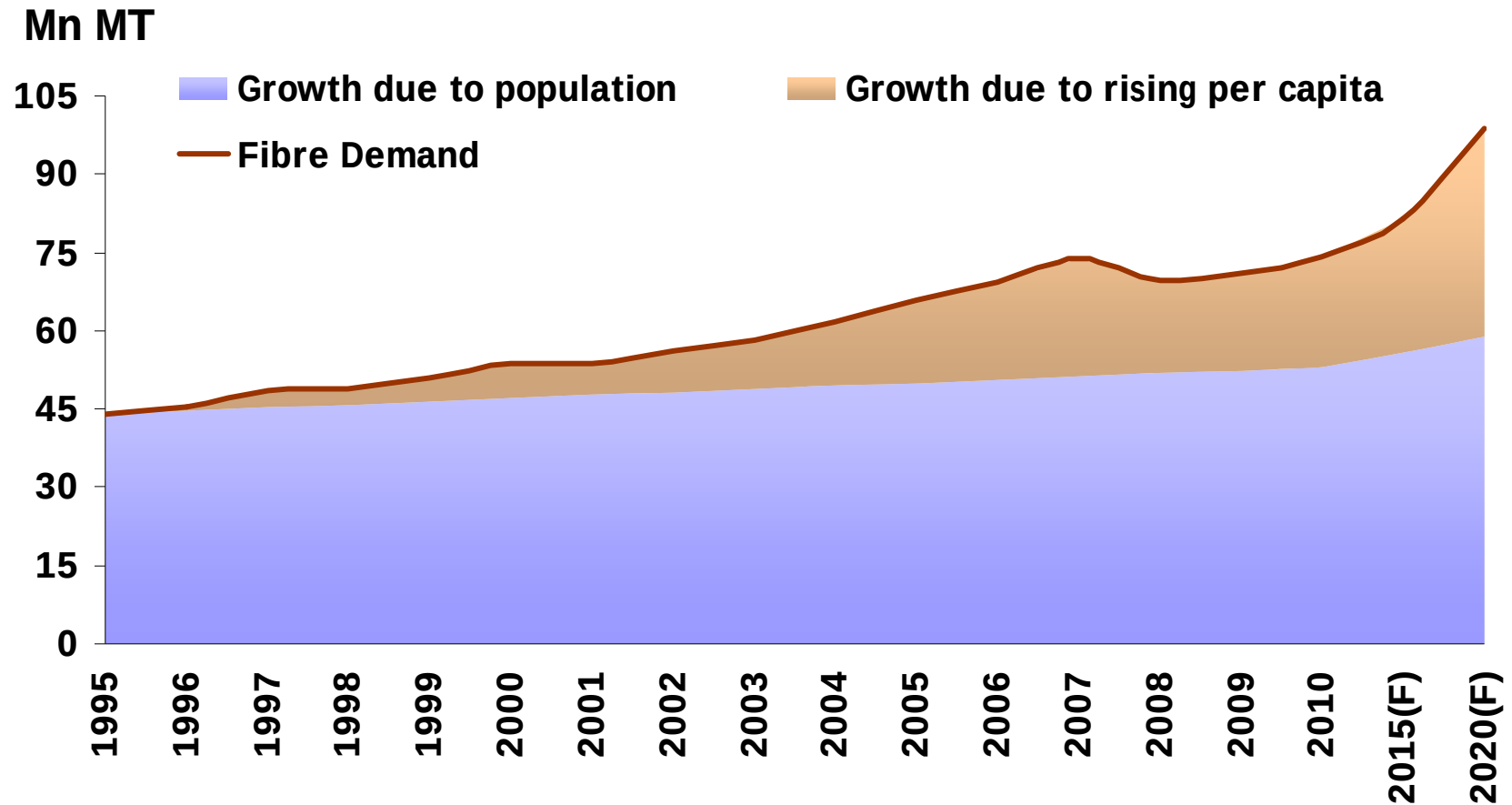


Source: PCI, IMF

**Strong relation between GDP and fibre demand**

**GDP growth conducive for healthy fibre demand**

# Rising Fibre Demand



Source: PCI

**Rising per capita consumption to influence global demand**

# All Fibre Consumer Demand

| Per Capita Consumption (Kg) | 2000      | 2010      |
|-----------------------------|-----------|-----------|
| <b>N America</b>            | <b>35</b> | <b>31</b> |
| <b>W Europe</b>             | <b>22</b> | <b>22</b> |
| <b>China</b>                | <b>10</b> | <b>16</b> |
| <b>E Europe</b>             | <b>6</b>  | <b>12</b> |
| <b>L America</b>            | <b>7</b>  | <b>7</b>  |
| <b>Other Asia</b>           | <b>7</b>  | <b>7</b>  |
| <b>India</b>                | <b>4</b>  | <b>5</b>  |
| <b>Africa/M East</b>        | <b>3</b>  | <b>4</b>  |



Source: PCI

**Indian domestic markets hold wide scope for growth**

# Global Textile & Clothing Trade

|      | US \$ Bn    |       |       | % Share |       |
|------|-------------|-------|-------|---------|-------|
|      | World Trade | China | India | China   | India |
| 2000 | 353         | 52    | 11.4  | 15%     | 3%    |
| 2005 | 486         | 104   | 15    | 21%     | 3%    |
| 2009 | 510         | 157   | 23    | 31%     | 5%    |

Source: Technopak

## China Constraints

Labour

Environment

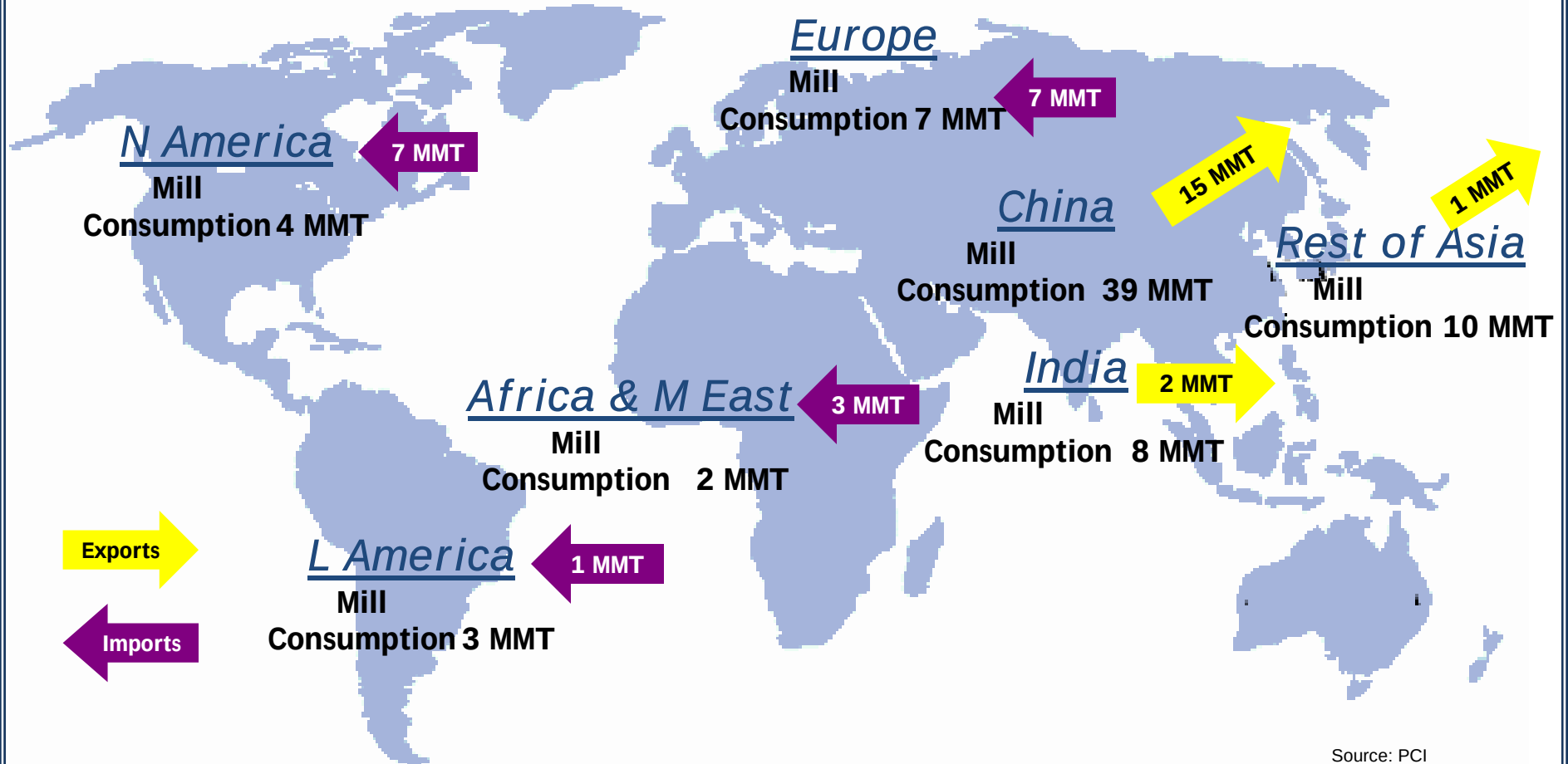
Energy Policies

Currency Appreciation

Tightening Credit Policy

**India: Opportunity to expand global footprint**

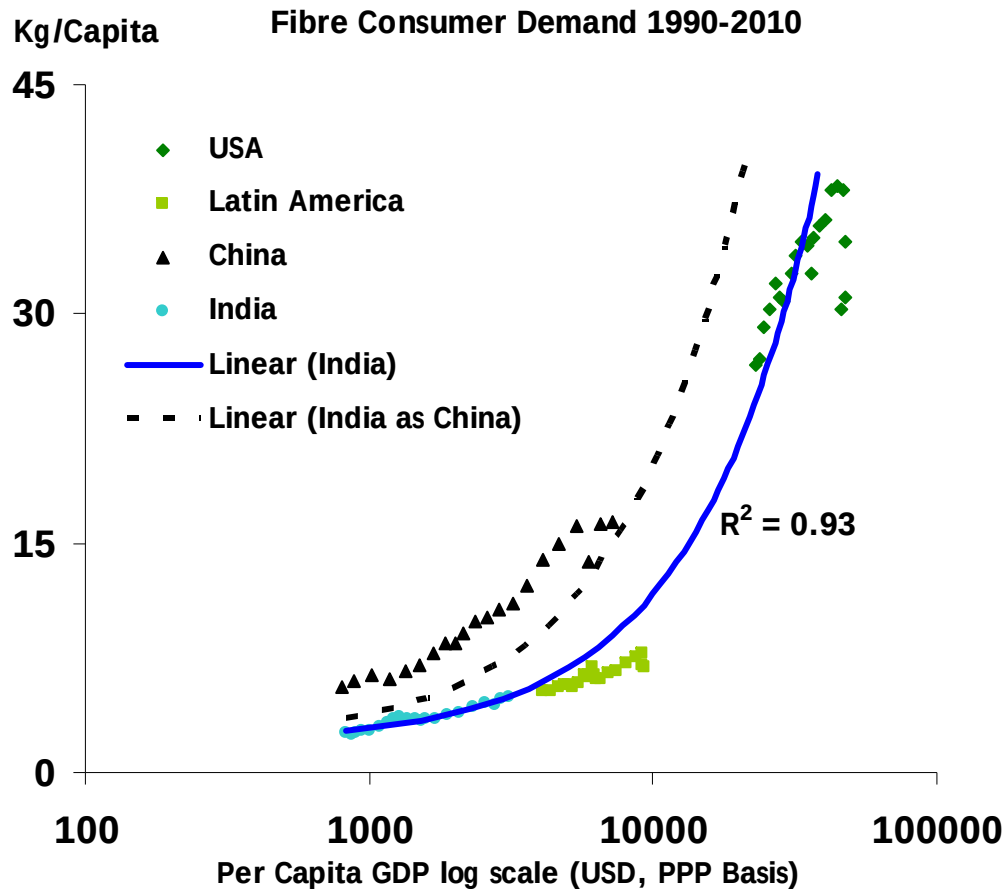
# Mill Value Addition



**Asia: Clothiers to the world**

**India: Vast potential for growth**

# India Growth & Demand Drivers



Source: PCI, IMF

## Demand Drivers

Projected GDP growth of 9%

Low median age

Growing disposable income

Increasing fashion awareness

Spread of organized retail sector

Favourable Govt policies

**Growing affluence to augur fibre demand**

**50% more growth required to catch up with Chinese rate**



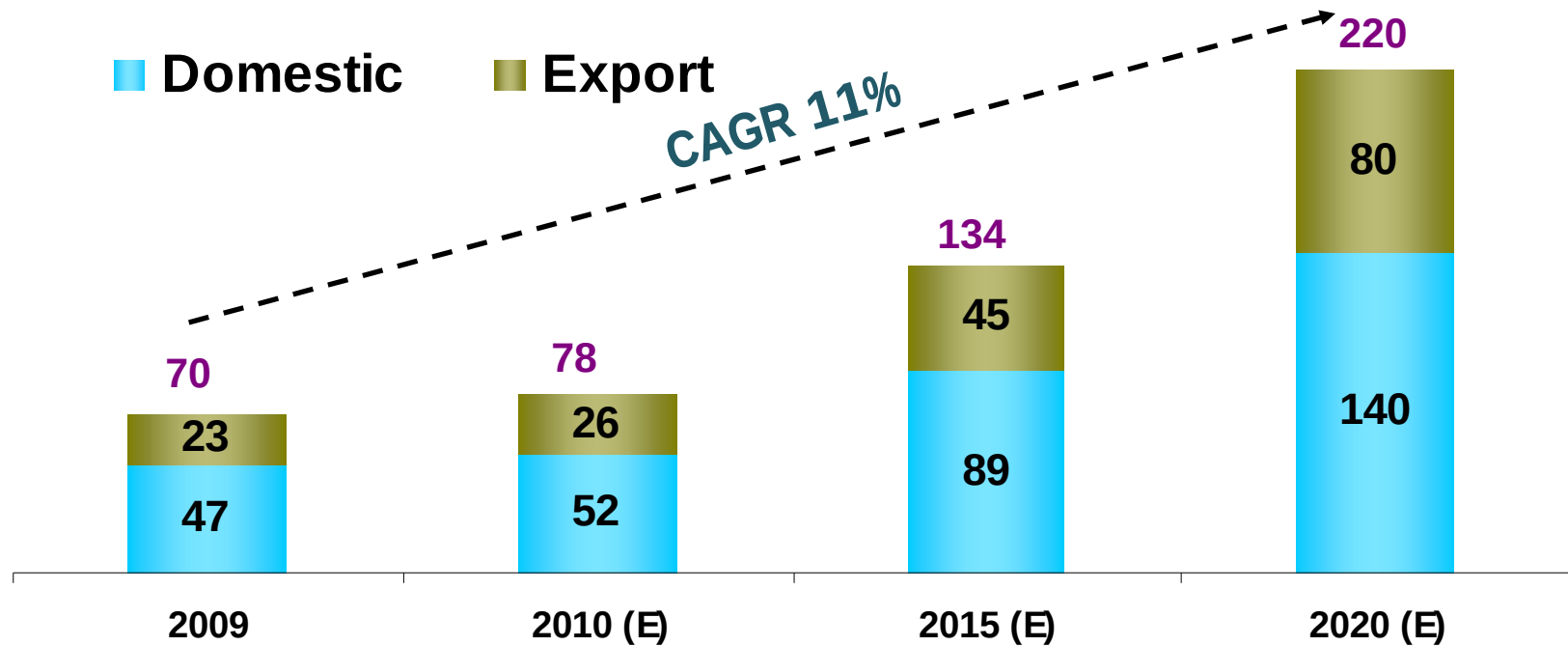
# Indian Textile Growth

US \$ Bn

■ Domestic

■ Export

CAGR 11%

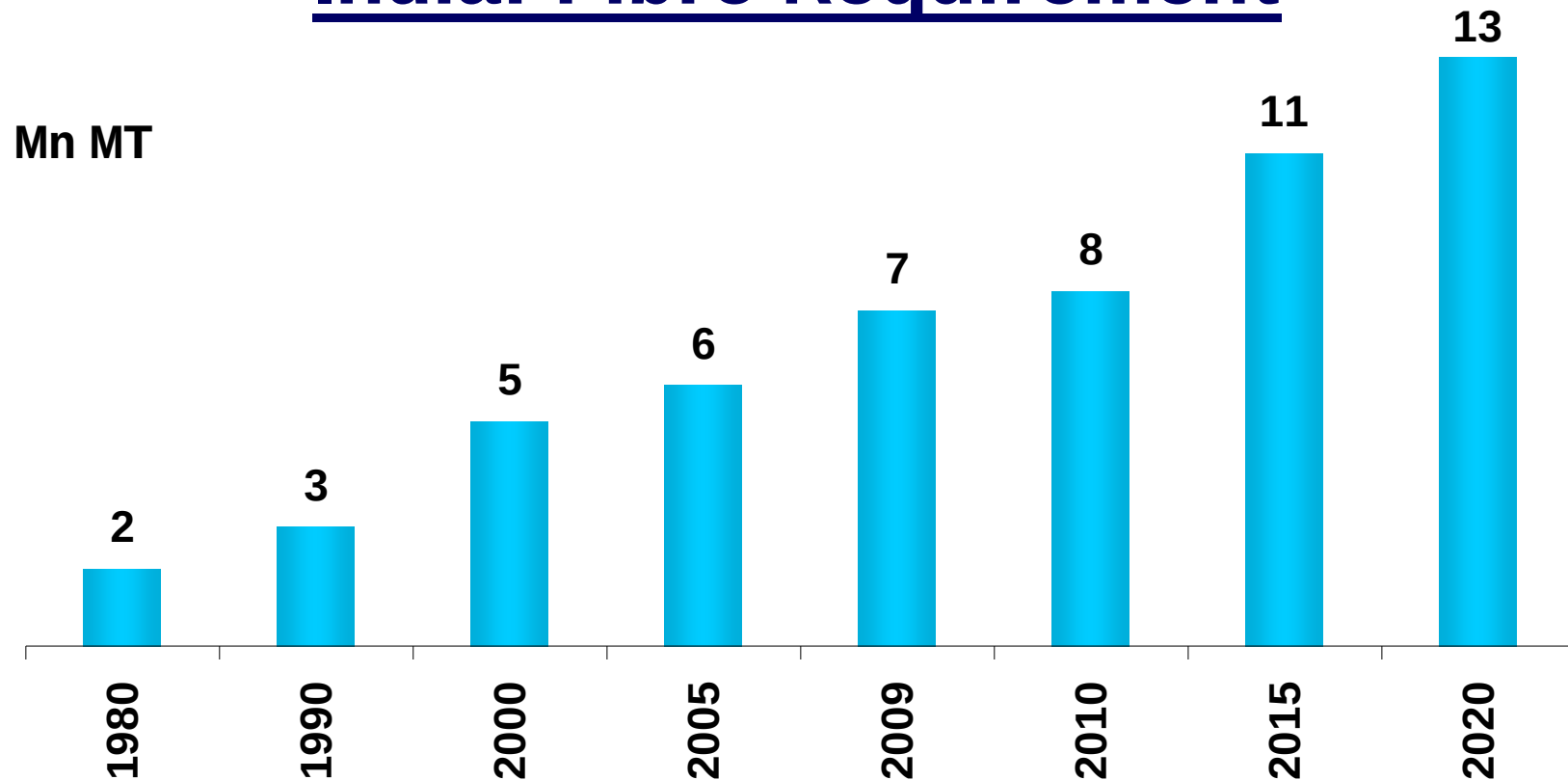


Source: Technopak

**Textile growth to overtake GDP growth**

**Aggressive growth for both domestic & export markets**

# India: Fibre Requirement



Source: PCI

**Demand grew 3 Mn MT in last 10 years**

**Would require additional 5 Mn MT in next 10 years**

**Downstream investments would keep the industry hungry**

# India: Beyond Apparels

| <i>US \$ Bn</i>              | 2010 (E)  | 2015 (E)  | 2020 (E)   | CAGR<br>(2010-20) |
|------------------------------|-----------|-----------|------------|-------------------|
| <b>Apparel</b>               | <b>36</b> | <b>61</b> | <b>100</b> | <b>11%</b>        |
| <b>Home<br/>Textile</b>      | <b>4</b>  | <b>6</b>  | <b>9</b>   | <b>8%</b>         |
| <b>Technical<br/>Textile</b> | <b>12</b> | <b>22</b> | <b>31</b>  | <b>10%</b>        |
| <b>Total</b>                 | <b>52</b> | <b>89</b> | <b>140</b> | <b>10%</b>        |

Source: Technopak

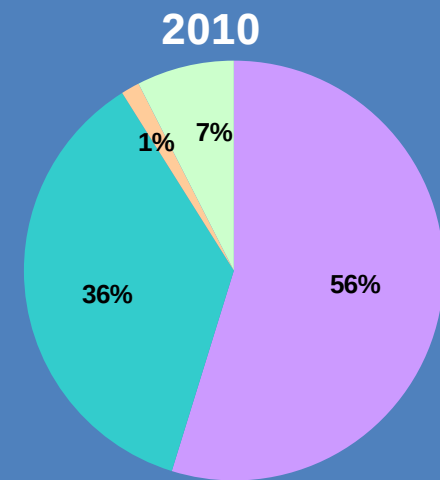
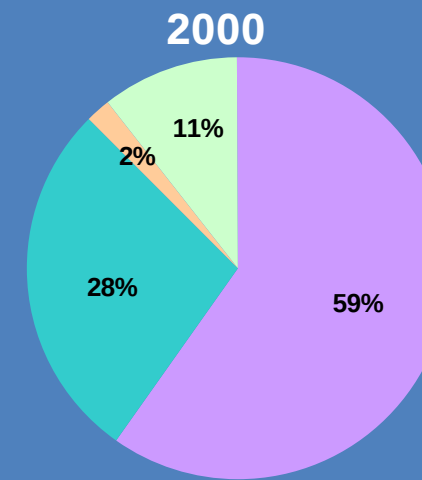
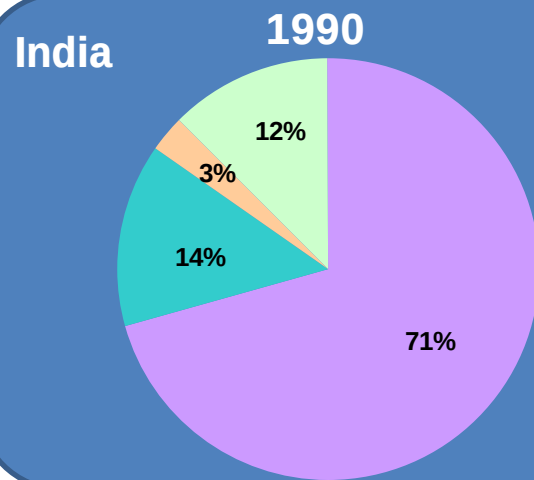
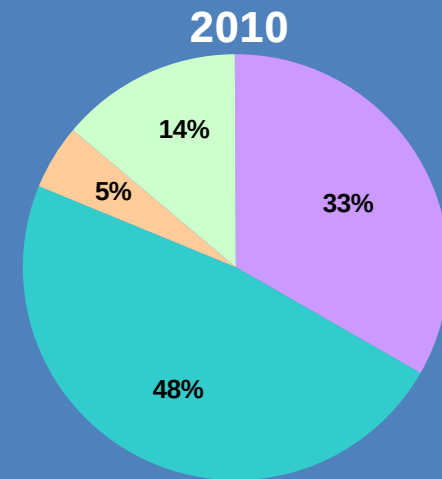
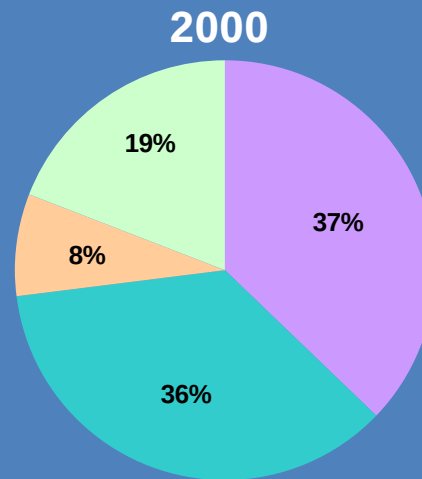
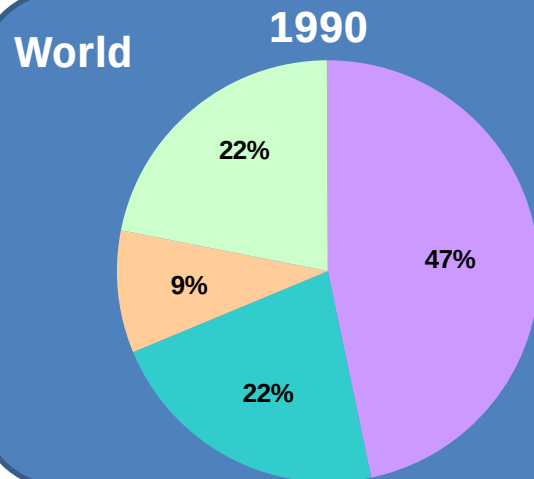


**New applications opening bigger arena**

**Non-Apparel markets too hold good potential for growth**

# Fibre Consumption - Shifting Pattern

■ Cotton ■ Polyester ■ Nylon ■ Others



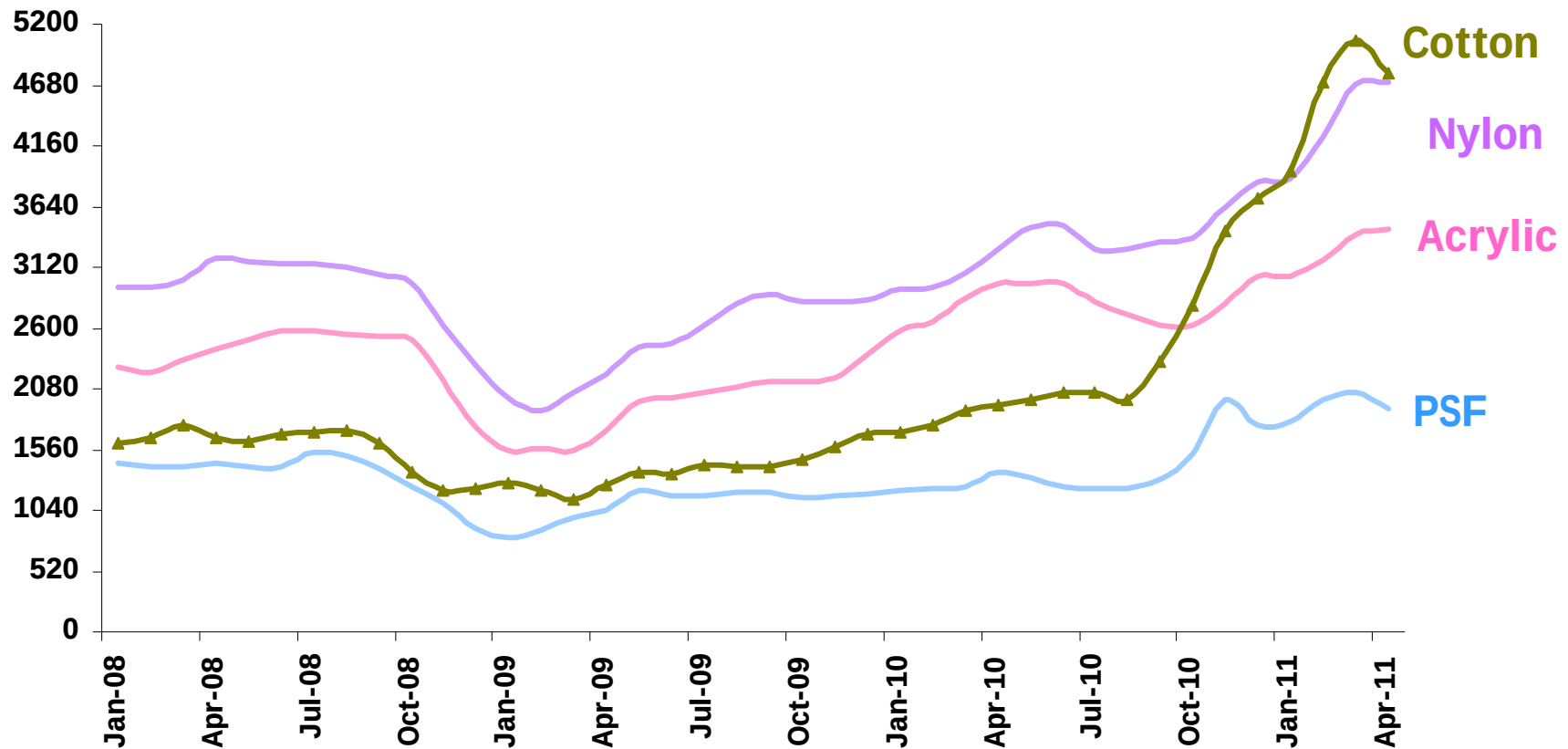
Source: PCI

**World: Cotton share steadily declining**

**India: Cotton dominant, polyester gaining prominence**

# Fibre Affordability

US\$/MT

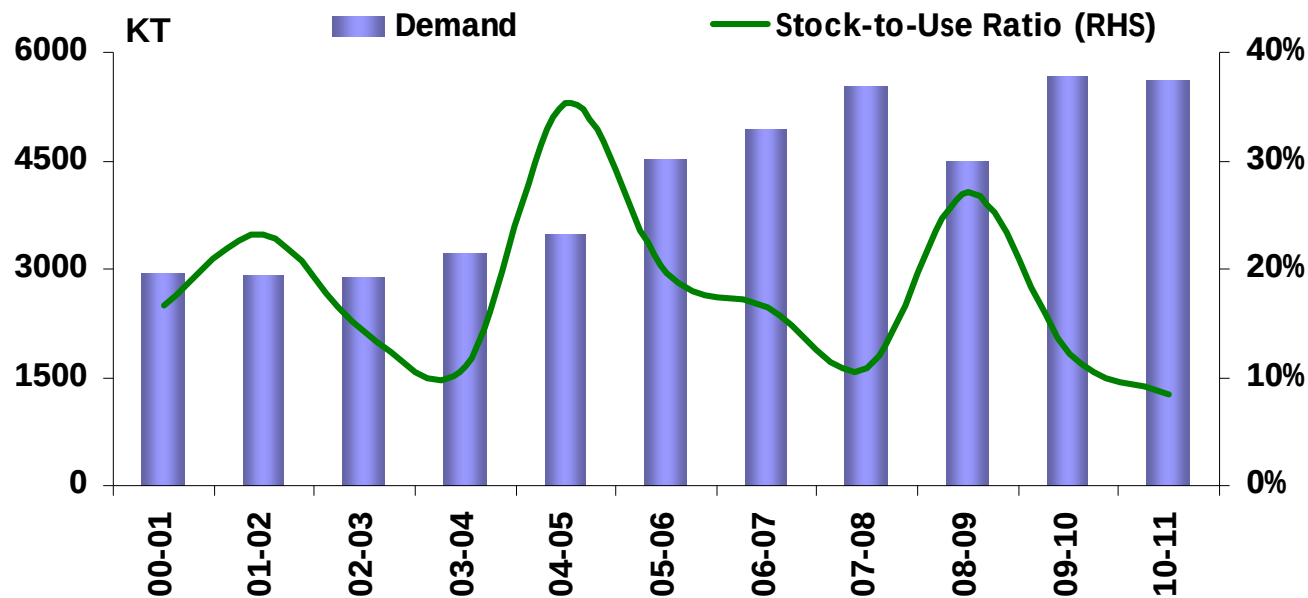


Source: PCI, ICIS, Cotlook

**Cotton prices at historic high**

**Polyester, the most economical fibre for the textile industry**

# India: Cotton Scenario



Source: CAB Feb '11

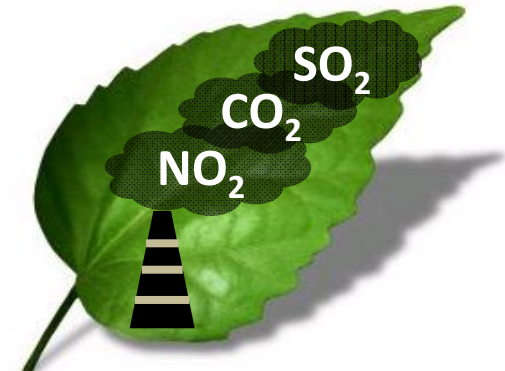
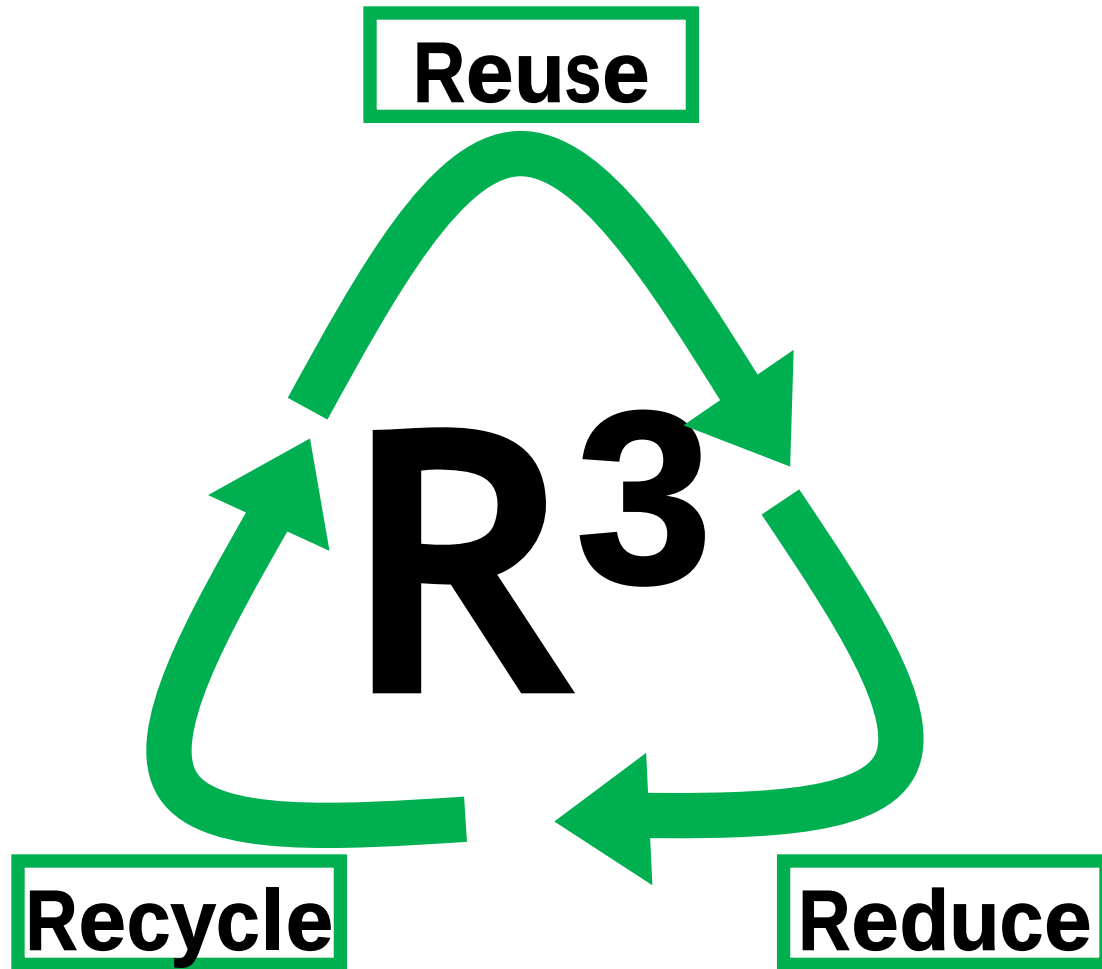
**Domestic prices more than double in last one year**

**Domestic stock-to-use ratio lowest in last decade**

**Demand rising due to improved downstream investment**

**Increased plantation but susceptible to vagaries of nature**

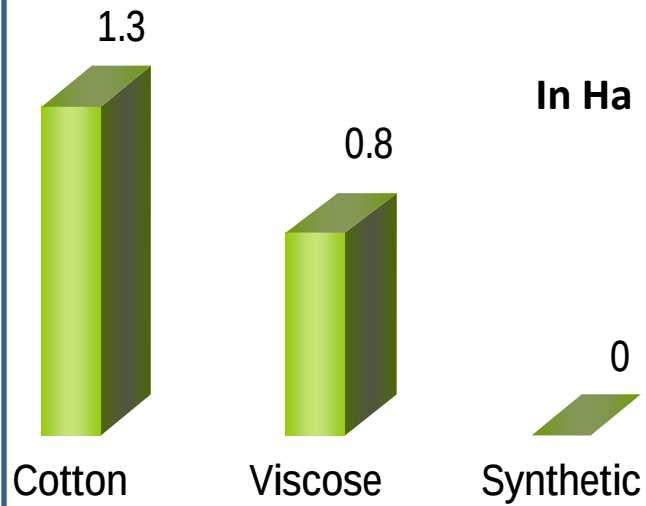
# Ecosystem Conservation



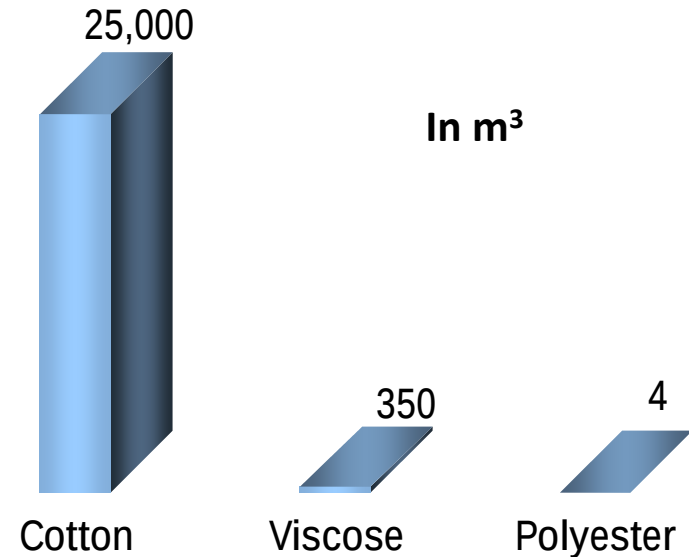
**Growing consumer awareness influencing fibre selection**

# Environment - Concern and Constraint

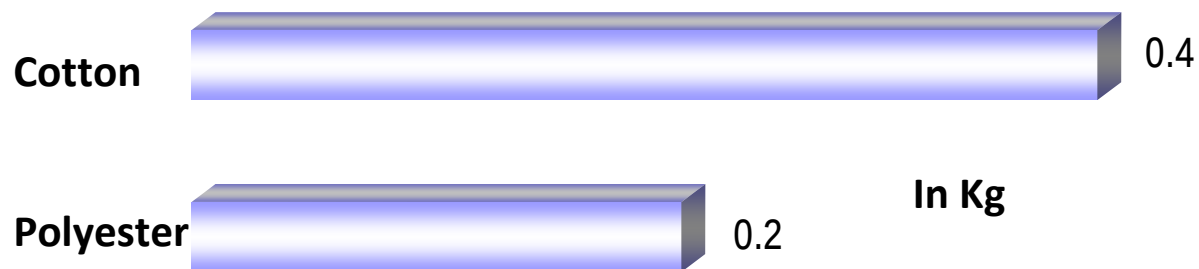
**Agricultural Land needed for 1 MT of fibre**



**Water consumption for 1 MT of fibre**



**CO<sub>2</sub> emission for 1 Kg of fibre**



Source: International  
Fiber Journal, AUTEX  
Research Journal

**Polyester serving for environment sustenance**



# RIL Initiatives

## Growth

PFY: 395 KTA

PTY: 140 KTA

PSF: 290 KTA

PX: 1400 KTA

PTA: 2300 KTA

MEG: 700 KTA

## Benefits to Industry

Largest PET bottle recycling facility in India

Largest backward integration to ensure steady supply for market demands

Environment friendly processes

Development of eco-friendly products

**Investments to aid industry growth**

**What is good for India is good for Reliance**

# **Conclusion**

- ✓ **Global growth and consumer affluence to aid fibre demand growth**
- ✓ **India has vast scope for expansion both in global and domestic arena**
- ✓ **India still largely dependant on cotton; while global pattern is skewed towards polyester**
- ✓ **Cotton production is subject to the vagaries of nature and is uncertain**
- ✓ **Polyester serves to protect the environment and promotes sustenance**
- ✓ **Reliance has planned aggressive growth plans to assist the Indian textile industry growth**

**Thank  
You**