



# Ganesha Ecosphere Limited

Investor Presentation

July 2016



***Responsibility + Opportunity = Sustainability***



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## Company Overview



# Amongst leading waste management companies in India

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## **Largest recycling Company of PET waste material in India**

- Pioneer in manufacturing of recycled staple fibre (RSPF) and yarn

## **State of art manufacturing facilities**

- Located in Kanpur, Bilaspur & Rudrapur (Uttarakhand), **Total capacity of 97,800 TPA**

## **Robust Collection Network**

- Pan India of 20+ collection centres, tie ups with beverages companies & network of scrap dealers

## **Wide array of customized products catering to diverse industry applications**

- More than 100 RPSF varieties customised around customer needs

# Journey so far



## 1989-95

- Established by Mr. Shyam Sunder Sharma (Chairman & MD)
- Started RPSF production with installed capacity of 6,000 TPA

## 2006-08

- Set up plant in Rudrapur (Uttarakhand) with a capacity of 7,200 TPA in 2007 & 14400 TPA in 2008

## 2013-14

- Enhanced RPSF capacity to 27,000 TPA from 18,000 TPA at Kanpur unit
- Set up yarn spinning capacity of 25,920 spindles at Bilaspur (Uttarakhand)

## 2014-15

- Set up RPSF Capacity of 21,000 TPA at Bilaspur (Uttaranchal)
- Increased RPSF production to 87,600 TPA

## 2015-16

- 3 state of art manufacturing plants
- 87,600 TPA processing capacity for RPSF
- 3,000 TPA for Twisted Filament Yarn
- 7,200 TPA for Recycled Spun Yarn
- 20+ collection centres across India for PET waste



# Management team

**Shyam Sunder Sharmma**  
*Chairman & Managing Director*

- Founder/ 1<sup>st</sup> generation entrepreneur and textile technocrat with management experience of over 52 years including 25 years at senior positions in Birla group companies
- Looks into overall management, strategic planning & development
- More than 29 years experience in marketing & plant operations
- Responsible for operational management

**Sharad Sharma**  
*Joint Managing Director*

- Rich experience of over 42 years in textile yarn trading and expertise of marketing & financial management
- Responsible for marketing and business development

**V.D. Khandelwal**  
*Executive Vice Chairman*

- Over 26 years of rich experience in plant administration and operations
- Responsible for administration and operations at Rudrapur & Bilaspur.

**Rajesh Sharma**  
*Executive Director*

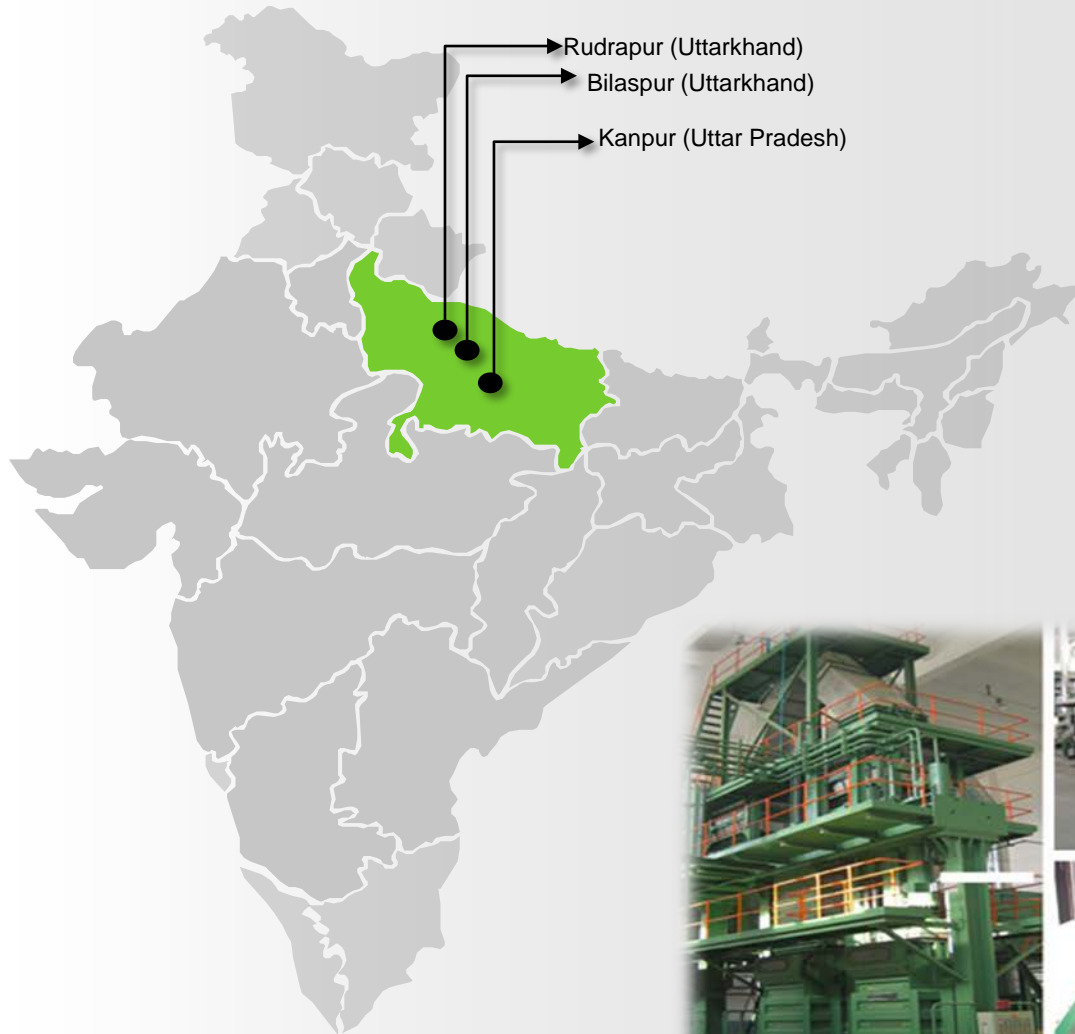
- Over 43 years of Textile experience.
- Responsible for Administration & Human Resource

**G.S. Shekhavat**  
*Director Administration*

- More than 25 years experience in financial, accounting & taxation matters
- Heads Finance and responsible for financial & taxation matters

**Gopal Agarwal**  
*Chief Financial Officer*

# State of Art Manufacturing facilities



| Capacity (MTPA)                     | 2016          | 2015          |
|-------------------------------------|---------------|---------------|
| <b>Total capacity</b>               | <b>97,800</b> | <b>83,800</b> |
| <b>Kanpur (Uttar Pradesh)</b>       | <b>30,000</b> | <b>30,000</b> |
| Twisted Filament Yarn               | 3,000         | 3,000         |
| RPSF                                | 27,000        | 27,000        |
| <b>Rudrapur (Uttarakhand)</b>       | <b>39,600</b> | <b>39,600</b> |
| RPSF                                | 39,600        | 39,600        |
| <b>Bilaspur (Uttarakhand)</b>       | <b>28,200</b> | <b>14,200</b> |
| RPSF                                | 21,000        | 7,200         |
| Recycled Spun Yarn                  | 7,200         | 7,200         |
| <b>Average Capacity Utilisation</b> | <b>87%</b>    | <b>83%</b>    |





# Strategic advantage

## Largest capacity

**Pioneered & Largest manufacturer** of RSPF with combined capacity of **87,600 TPA**

## Operational Efficiency

Higher capacity leading to reduction in manufacturing costs and better inventory management

## Research & Development

Focus on value added and high margin products – leading to increase in product offering



## Sourcing

Collection network across the country helps mobilise **nearly 250 tonnes of PET waste** per day, translating into adequate raw material availability to feed production lines

## Rich Product basket

Versatile product range caters to specific needs of user industry leading to higher bonding with customers .

## Forward Integration

Having state of the art Recycled Spun yarn facilities – leading to better product acceptability and new products developments





# Industry Overview

# PET Industry opportunity - Global



## Global PET Packaging Consumption

- Expected @ 5% CAGR over next 3 years; driven by increasing demand from emerging economies like Asia Pacific, South America, Central and Eastern Europe

## PET Packaging Market

- Expected to reach 21.1 mn tonnes by 2021, growth of 4% p.a during 2016-21
- Growth anticipated at 4.8% - 17.5 million tonnes

## Improvement in Realization

- Raw Material – MEG & PTA expected to decline with yields at 22% and 12% respectively - will have positive impact on PET resin realization

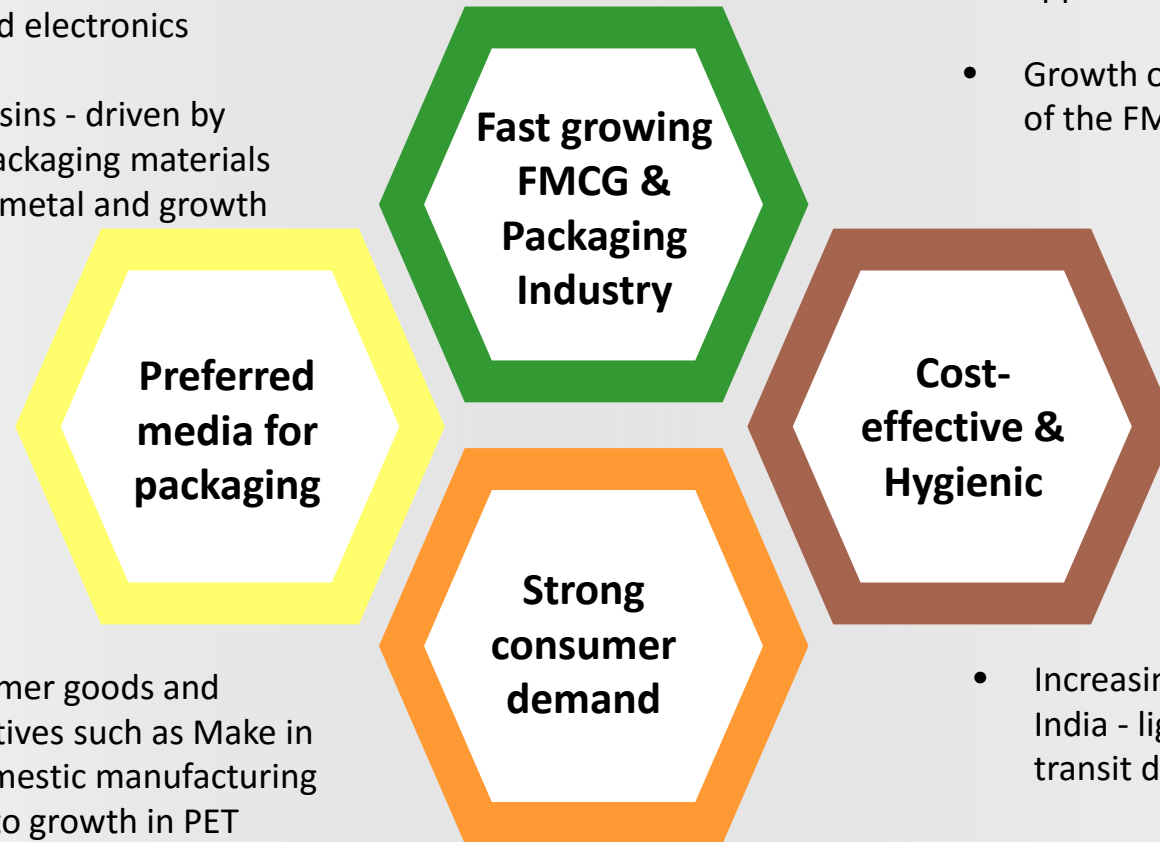
## Healthy Consumer Durables

- Sector revenue reached US\$ 9.7 bn in 2015, expected to reach US\$ 12.5 bn in 2016
- Expected to grow @13% CAGR growth- 2005-2020



# PET Industry opportunity - India

- PET resins - witnessed robust growth over last five years - increasing usage in various end user industries such as packaging & bottling, automobile and electrical and electronics
- Increased demand for PET resins - driven by replacement of traditional packaging materials like glass, aluminium, paper, metal and growth in FMCG sector



- Rapidly expanding population of 1.25 billion Indians driving Indian FMCG market growth to approx US\$49 billion in 2016
- Growth of the packaging industry rides growth of the FMCG sector

- Growing demand for consumer goods and government's various initiatives such as Make in India, etc. to encourage domestic manufacturing - expected to give a boost to growth in PET

- Increasingly preferred media for packaging in India - light, durable and prevents loss from transit damage and breakage
- Provides high resistance to attacks from microorganisms, easy to clean, break resistant and preferred over glass & aluminium

# Textile Industry opportunity - India



## Indian Textiles Industry

- Expected to reach US\$ 223 bn by 2021
- Contributes ~ 5% to India's GDP
- 2<sup>nd</sup> largest employment provider after agriculture (over 45 mn directly and 60 mn indirectly)



## Government's New Textile Policy

- Rs. 6,000-cr new textile policy will foresee significant flexibility in labour laws
- Sector expected to boost exports and generate employment
- Industry to reach US\$ 500 bn



## Domestic and Exports Markets

- Domestic sales – to reach US\$ 315 bn from US\$ 68 bn
- Exports – expected to reach US\$ 185 bn from ~US\$ 41 bn



## Organised Apparel Segment

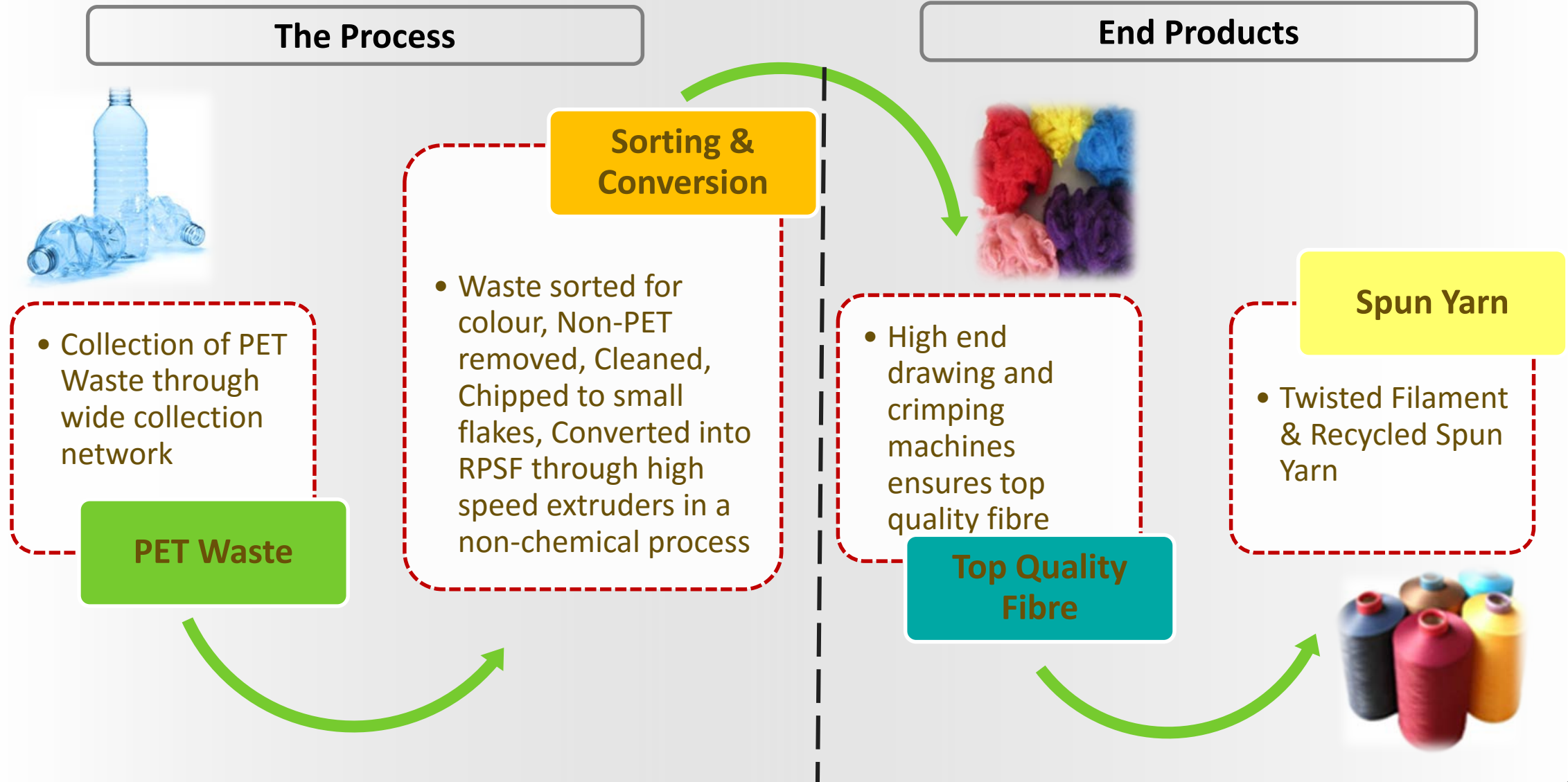
- Expected to grow at 13% CAGR
- Industry looks promising - strong domestic consumption and increasing export demand

***Expected to become 5<sup>th</sup> largest consumer durables market globally by 2025***



# Business Overview

# Recycling process of PET Waste....



# ... Creating customized products catering to diverse sector applications

Apparels

Sportswear

Home furnishing

Automotive

Industrial textiles





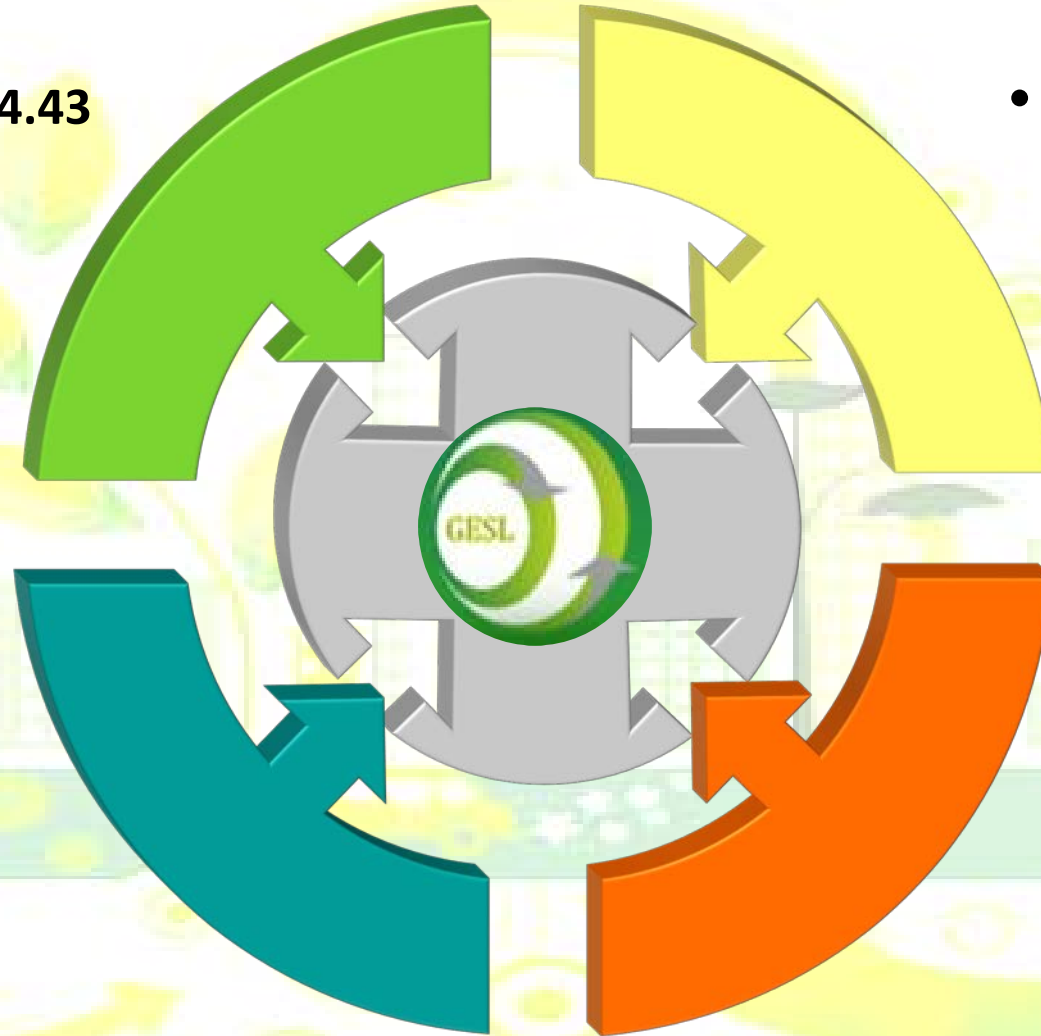
## Our focus...

- **Recycled** a record **4.43 billion** PET bottles

- **Collected** nearly **79,703 tonnes** of PET wastes

- **Saved** nearly **5.9 lac** cubic yards space from turning into landfill

- **Eliminated** **1.19 lac** tonnes of CO<sub>2</sub>







Way Ahead



# Growth drivers....

## Smart Cities

- Govt announced 1st list of 20 cities to be developed into smart cities
- Each city to receive funding upto Rs 1,000 crore over 5 years
- 13 of 20 cities in WHO list of 20 most polluted cities, globally
- Any smart city would need core infrastructure elements, including proper waste management, - creating opportunity for GESL



## Extended Producers Responsibility

- Governments' recently notified new rules for plastic waste management across country
- Plastic manufacturers and brands using plastic to be responsible for recycling



## Man Made Fibre

- Over past few years, man made fibre made from recycled PET bottles and other waste material has been gaining strength
- Opportunity for RPSF driven by durability, versatility of end usage and lower price as compared to cotton and other substitute fibres, natural or man-made



## Growing Per Capita Consumption

- Significant domestic market potential, with per capita consumption of all fibres at approx 50% of global per capita consumption
- Governments' push to substantially increase size of textile industry output to pave way for larger man-made fibre consumption due to limited availability of cotton, benefiting the polyester industry



.... **Creating significant opportunity** 18



# Increased Demand + Operational efficiencies...



## Branding

- Initiatives taken to make the use of Recycled Fibre as premium and branded product rather than as commodity product



## Collection at source

- Working with beverages companies for creating network for collection of pet bottle scrap from source.
- Initiative will significantly reduce sourcing cost as well as increase the yield from waste



## Capacity Expansion

- Plans to increase recycling capacity to tap the increasing demand



## Leased Model

- Leased spindles for value addition and increase capacity to produce end product i.e. Recycled Spun Yarn. This will increase production with better margins without any capex

... to drive better realisations and improved operating margins

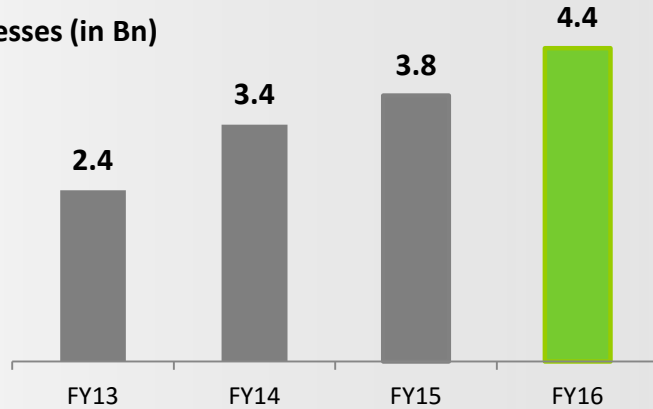
A large graphic element in the center of the slide. It features a bright green arrow pointing to the left, with the word "Financials" written in white, bold, sans-serif font in the middle. Behind the green arrow, a grey arrow points to the right, creating a visual contrast and suggesting a flow or relationship between the two directions.

# Financials

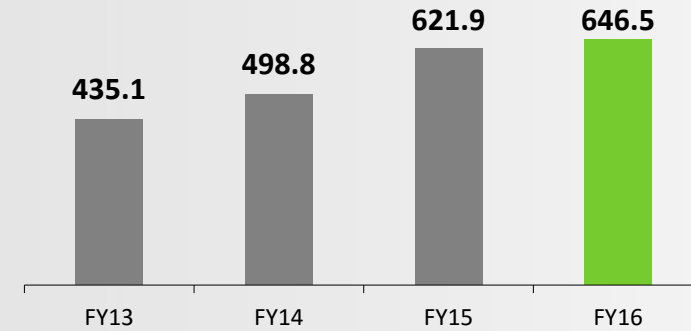
# Strong Operational performance



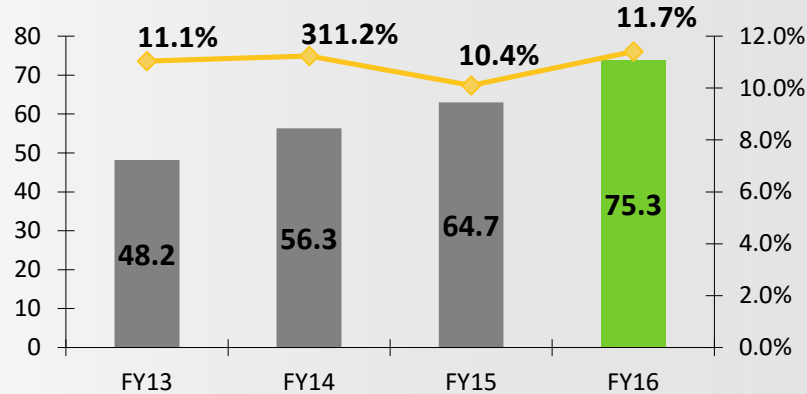
PET Bottles Processes (in Bn)



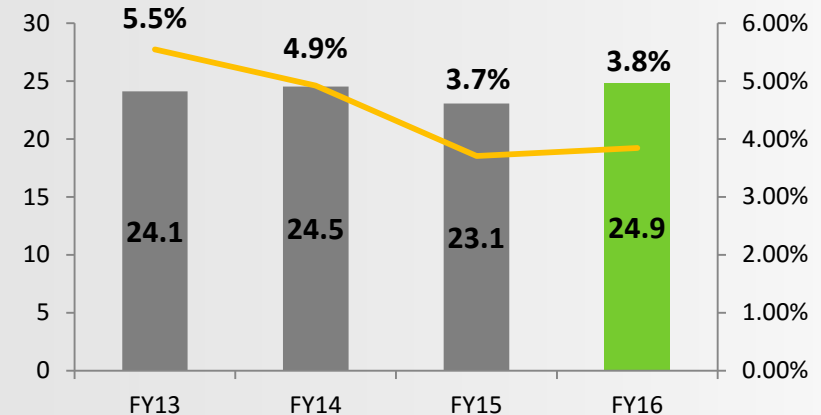
Revenue (Rs. Crore)



EBITDA (Rs. Crore) / Margin (%)



PAT (Rs. Crore) / Margin (%)

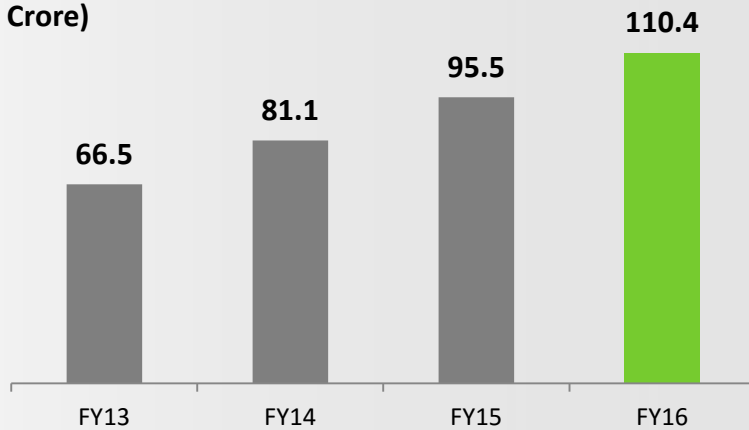


- Slight growth in revenue, despite strong growth in volumes – on account of decline in price realizations
- PAT level maintained despite higher tax outgo and inventory losses in FY16 (until FY15, Company availed tax benefits arising from Uttaranchal plant, which lasted after tax holiday period)

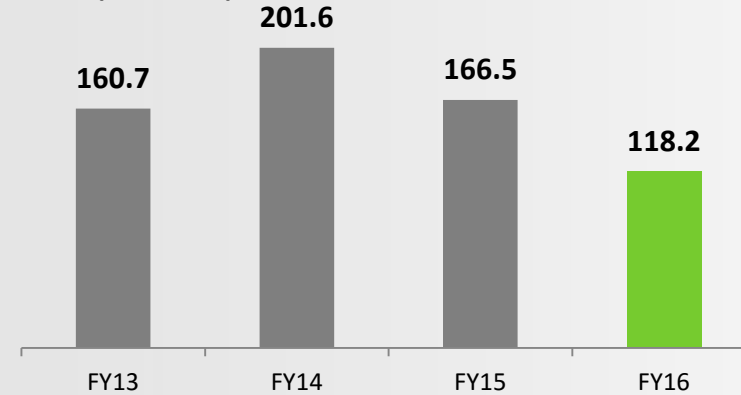


# Strengthening Balance Sheet

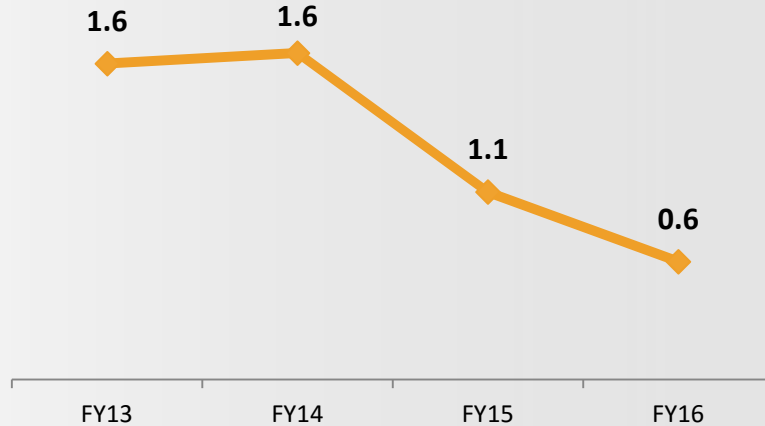
Book Value (Rs. Crore)



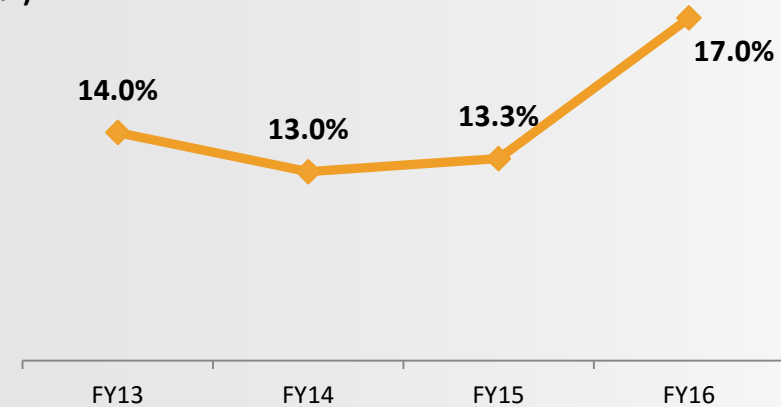
Total Debt (Rs. Crore)



Debt/Equity



RoCE (%)



\*RoCE = EBIT/Capital Employed



# Annual Profitability Highlights

| Rs. in Crore                        | FY16          | FY15          | YoY %          |
|-------------------------------------|---------------|---------------|----------------|
| <b>Production (MT)</b>              | <b>86,493</b> | <b>71,841</b> | <b>20.4%</b>   |
| <b>Total Income from Operations</b> | <b>648.75</b> | <b>624.95</b> | <b>3.8%</b>    |
| Raw Materials                       | 409.27        | 415.76        | -1.6%          |
| Employee Cost                       | 39.32         | 33.67         | 16.8%          |
| Other Cost                          | 124.86        | 110.84        | 12.6%          |
| Total Expenditure                   | 573.45        | 560.27        | 2.4%           |
| <b>EBITDA</b>                       | <b>75.30</b>  | <b>64.68</b>  | <b>16.4%</b>   |
| <b>EBIDTA margin (%)</b>            | <b>11.7%</b>  | <b>10.4%</b>  | <b>130 bps</b> |
| Interest                            | 19.86         | 19.67         | 1%             |
| Depreciation                        | 21.05         | 18.87         | 11.6%          |
| Profit Before Tax                   | 34.39         | 26.14         | 31.5%          |
| Tax                                 | 9.53          | 3.07          | 210.4%         |
| <b>Profit After Tax</b>             | <b>24.86</b>  | <b>23.07</b>  | <b>7.8%</b>    |
| <b>PAT Margin (%)</b>               | <b>3.84%</b>  | <b>3.71%</b>  | <b>13 bps</b>  |



# Balance Sheet Highlights

| Rs. in Crore                            | Mar-16        | Mar-15        |
|---|---------------|---------------|
| <b>Shareholder's Funds</b>              | <b>200.18</b> | <b>177.92</b> |
| Share capital                           | 19.18         | 47.28         |
| Reserves & Surplus                      | 181.00        | 129.93        |
| Money received against warrants         | -             | 0.71          |
| <b>Non-current liabilities</b>          | <b>87.92</b>  | <b>100.02</b> |
| Long term borrowings                    | 71.75         | 86.92         |
| Defer Tax liabilities                   | 12.16         | 9.63          |
| Other Long-Term liabilities             | 0.80          | 0.83          |
| Long-Term Provisions                    | 3.21          | 2.64          |
| <b>Current liabilities</b>              | <b>124.23</b> | <b>164.05</b> |
| Short Term Borrowings                   | 46.47         | 79.63         |
| Trade Payables                          | 21.73         | 33.01         |
| Other Current liabilities               | 51.76         | 45.89         |
| Short-term provisions                   | 4.27          | 5.52          |
| <b>Total Equities &amp; Liabilities</b> | <b>412.33</b> | <b>441.99</b> |

| Rs. in Crore                | Mar-16        | Mar-15        |
|-----------------------------|---------------|---------------|
| <b>Non-current Assets</b>   | <b>259.32</b> | <b>270.78</b> |
| Fixed assets                | 256.50        | 267.70        |
| Long-term loans & advances  | 2.51          | 2.73          |
| Other non-current assets    | 0.31          | 0.35          |
| <b>Current Assets</b>       | <b>153.01</b> | <b>171.21</b> |
| Inventories                 | 69.27         | 82.34         |
| Trade receivables           | 49.73         | 40.74         |
| Cash & Cash equivalents     | 3.78          | 15.95         |
| Short-term loans & Advances | 27.88         | 27.98         |
| Other Current Assets        | 2.35          | 4.20          |
| <b>Total Assets</b>         | <b>412.33</b> | <b>441.99</b> |



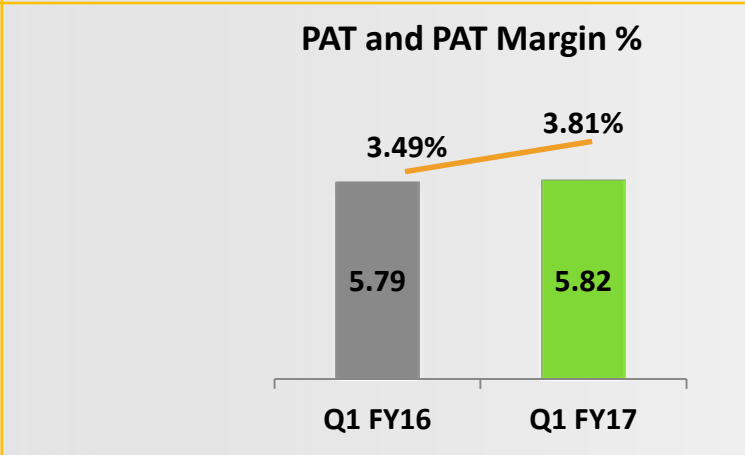
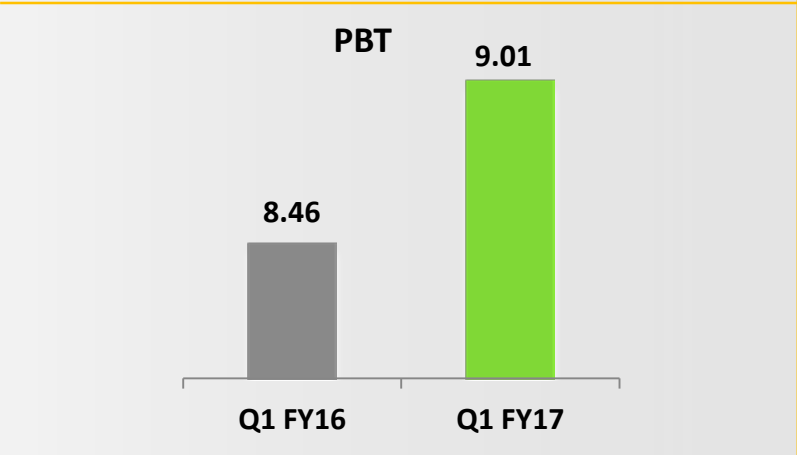
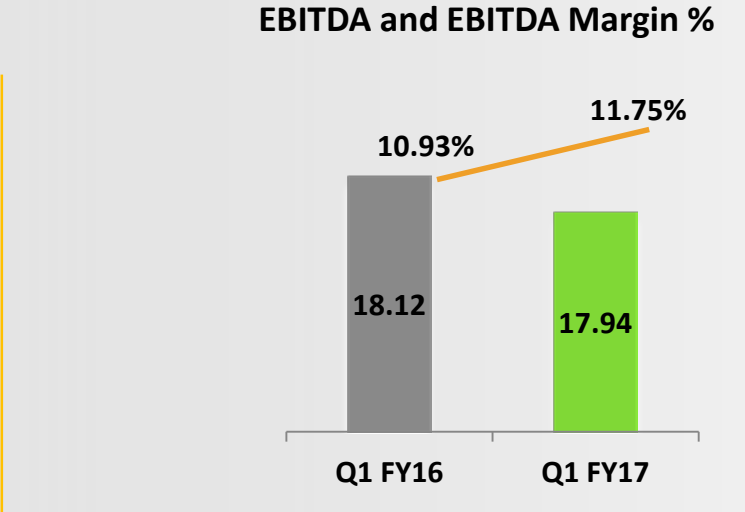
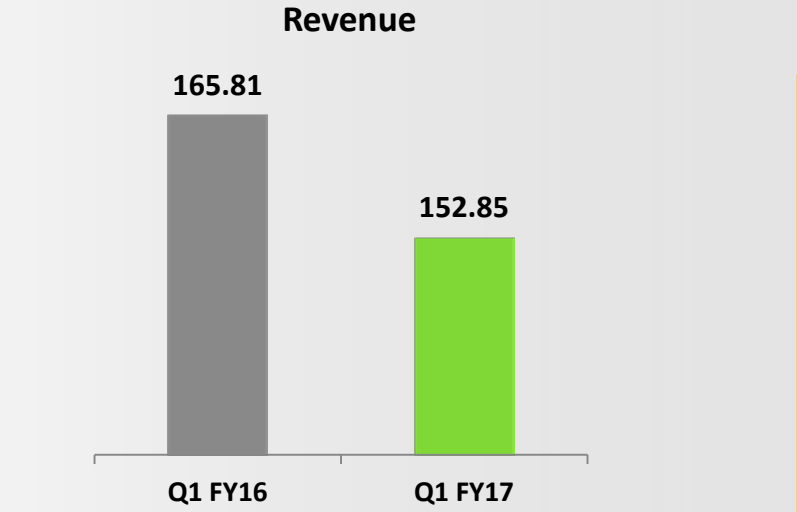


## Quarterly Performance



# Q1 FY17 Highlights

In Rs. Crores



- Decline in Revenue, on account of sales realization - decreasing crude oil and cotton prices
- Improvement in Margins due to decline in raw material prices



# Q1 FY17 Performance

| Rs. in Crore                        | Q1 FY17       | Q1 FY16       | YoY %         | Q4 FY 16      | QoQ %          |
|-------------------------------------|---------------|---------------|---------------|---------------|----------------|
| <b>Total Income from Operations</b> | <b>152.85</b> | <b>165.81</b> | <b>-7.8%</b>  | <b>158.01</b> | <b>-3.3%</b>   |
| Raw Materials                       | 92.13         | 106.75        | -13.7%        | 99.65         | -7.5%          |
| Employee Cost                       | 10.26         | 8.98          | 14.3%         | 10.26         | 0%             |
| Other Cost                          | 32.51         | 31.96         | 1.7%          | 29.61         | 9.8%           |
| Total Expenditure                   | 134.90        | 147.69        | -8.7%         | 139.52        | -3.3%          |
| <b>EBITDA</b>                       | <b>17.94</b>  | <b>18.12</b>  | <b>-1.0%</b>  | <b>18.49</b>  | <b>-3.0%</b>   |
| <b>EBIDTA margin (%)</b>            | <b>11.75%</b> | <b>10.93%</b> | <b>82 bps</b> | <b>11.73%</b> | <b>2 bps</b>   |
| Interest                            | 4.17          | 5.11          | -18.4%        | 3.57          | 16.8%          |
| Depreciation                        | 5.02          | 4.99          | 0.6%          | 5.33          | -5.8%          |
| Other Income                        | 0.30          | 0.42          | -28.6%        | 0.31          | -3.2%          |
| Profit Before Tax                   | 9.05          | 8.45          | 7.1%          | 9.90          | -8.6%          |
| Tax                                 | 3.23          | 2.66          | 21.4%         | 2.96          | 9.1%           |
| <b>Profit After Tax</b>             | <b>5.82</b>   | <b>5.79</b>   | <b>0.5%</b>   | <b>6.94</b>   | <b>-16.1%</b>  |
| <b>PAT Margin (%)</b>               | <b>3.81%</b>  | <b>3.49%</b>  | <b>32 bps</b> | <b>4.39%</b>  | <b>-58 bps</b> |

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