



August 11, 2025

To,

**National Stock Exchange of India Ltd.**

Exchange Plaza, 5<sup>th</sup> Floor,

Plot No. C-1, Block G,

Bandra – Kurla Complex,

Bandra (East), Mumbai – 400 051

**Symbol: TIMETECHNO**

**BSE Limited**

1<sup>st</sup> Floor, New Trading Ring,

Rotunda Building,

P.J. Towers, Dalal Street,

Fort, Mumbai – 400 001

**Scrip Code: 532856**

Dear Sir/Madam,

**Sub: Earnings Presentation**

We enclose herewith a copy of the 'Earnings Presentation' in respect of the Unaudited (Consolidated & Standalone) Financial Results declared for the Quarter ended June 30, 2025.

The Earnings Presentation is also being hosted on the Company's website at [www.timetechnoplast.com](http://www.timetechnoplast.com)

This is for your information and records.

Thanking You,

Yours Faithfully,

**For TIME TECHNOPLAST LIMITED**

**BHARAT KUMAR VAGERIA**

**MANAGING DIRECTOR**

**DIN: 00183629**

**TIME TECHNOPLAST LTD.**

**Bringing Polymers To Life**

CIN : L27203DD1989PLC003240

Regd. Office : 101, 1st Floor, Centre Point, Somnath Daman Road, Somnath, Dabhel, Nani Daman, Daman - 396210

Corp. Off. : 55, Corporate Avenue, 2nd Floor, Saki Vihar Road, Andheri (East), Mumbai - 400 072 INDIA Tel. : 91-22-7111 9999 Fax : 91-22-2857 5672 E-mail : [ttl@timetechnoplast.com](mailto:ttl@timetechnoplast.com) Website : [www.timetechnoplast.com](http://www.timetechnoplast.com)  
Bangalore : (080) 26608056/61 Baddi : 9816720202/9816700202/9816820202 Chennai (044) 4501 0019/29 Delhi : (0120) 4326144/4284946 Hyderabad : 9849019428 Kolkata : (033) 46037097/98



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Earnings Presentation  
Q1 FY2026

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## Highlights – Financial & Others

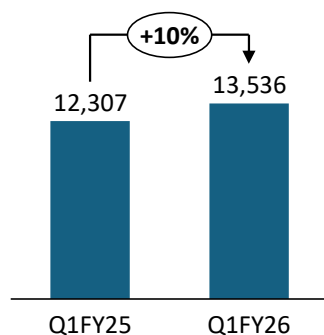
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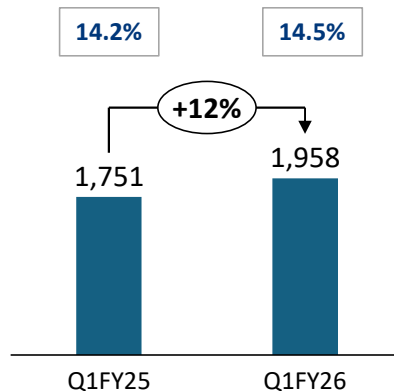
# Q1FY26 Financial Highlights



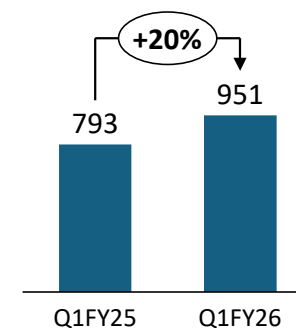
**Total Income (₹ Mn)**



**EBITDA (₹ Mn) and Margin (%)**



**PAT (₹ Mn)**



Particulars	Total	India	Overseas
Volume Growth	14%	12.0%	17.0%
Revenue Growth	10%	8.0%	14.0%
Revenue Contribution	-	62%	38%
EBITDA Margin	14.5%	14.7%	14.1%
PAT Margin	7.0%	6.5%	7.9%
Cash Profit Margin	9.8%	10.3%	10.6%

- Value added products grew by 15% in Q1FY26 as compared to Q1FY25, while established products grew by 8%. The company's focus remains to increase the share of value-added products in its revenue and improve margins.
- Total Debt reduced by Rs. 374 Mn from FY25
- Net Cash from Operating Activities in Q1FY26 is Rs. 1,160 Mn

## **1. Announcement on Bonus Shares:**

The Board of Directors at its meeting held on 11th August, 2025, **approved issuance of bonus equity shares, in the ratio of 1:1, i.e., one (1) bonus equity share of face value of ₹1/- each for every one (1) fully paid-up equity share** of face value of ₹1/- each, held by the members of the Company as on the record date, subject to the approval of the members at the 35th Annual General Meeting of the Company scheduled on 11<sup>th</sup> September, 2025 and other regulatory approvals if any.

## **2. Sale of Non-Core Assets:**

Company had identified non-core assets for disposal with an estimated realization value of Rs. 125 Crores (approx.) which has now reduced to Rs. 47 Crores being balance amount already realized

## **3. Focus on Improving ROCE:**

We had earlier targeted the FY25 Return on Capital Employed (ROCE) at 18%, which has been successfully achieved with an actual ROCE of 18.1%. Building on this momentum, we are now targeting a ROCE of 20% for FY26. This will be driven by our continued focus on cost reduction through automation, re-engineering of machinery and moulds, and optimization of the working capital cycle—initiatives strategically aimed at enhancing net earnings and overall capital efficiency

## **4. Consolidation of Products and Manufacturing Units:**

The Company has made a strategic decision to consolidate its products and manufacturing units. This includes Brownfield expansion and adding New Units, which will better align with evolving market demands while optimizing operational costs

## **5. Qualified Institutional Placement (QIP):**

Necessary approval including Board & Shareholders for raising of funds by issue of equity shares through Qualified Institutions Placement (QIP) has been obtained for an amount not exceeding ₹1,000 Crores which is valid till November 27, 2025

## **6. MOU Signed between Time Technoplast Ltd. and Drone Stark Technologies (OPC) Pvt. Ltd.:**

In a strategic step towards advancing sustainable technologies, Time Technoplast Limited has signed a Memorandum of Understanding (MoU) with Drone Stark Technologies (OPC) Private Limited (DSTPL). The agreement, initially for three years and extendable by mutual consent, aims to develop hydrogen-powered **Drones using Composite Hydrogen Cylinders and fuel cell technology.**



### **7. Green Energy- Conversion of Electricity Units consumed to Solar Power:**

The Company has committed to transform 75% of its electricity consumption to green energy within the next two years by tie up with solar power generating Companies. This transition will not only result in cost savings but also contribute to a significant reduction in carbon emissions. As part of its dedication to sustainability, the Company is actively participating in global efforts to reduce carbon emissions.

### **8. Launch of E-Rickshaw Batteries by Power Build Batteries Private Ltd:**

Our subsidiary i.e. Power Build Batteries Private Limited has developed a low cost, high-performance E-Rickshaw battery in the brand name of “**e-START with SELENIUM**”. With advanced lead-acid technology and enhanced with selenium, these batteries offer superior performance, safety and efficiency. The growing demand for e-rickshaws is supported by eco-friendly policies. Our battery solution meets OEM standards and ensures reliable power output and quick recharge, contributing to the expansion of clean mobility in India.

### **9. New Sustainability-Focused Subsidiary: Time Ecotech:**

The Company has incorporated Time Ecotech Private Limited (TEPL), a wholly owned subsidiary in India, focused on recycling and reprocessing industrial plastic packaging. In Phase I, a greenfield facility will be set up in Gujarat, launching a nationwide green recycling initiative. The long-term plan in a period of 3-4 years involves an investment of approx. ₹120 crores in fully automated recycling plants across key Indian regions (West, North, South, East) with the capacity to process up to 60,000 MT of plastic annually. This initiative underscores Time Technoplast’s commitment to building a greener and sustainable future, supporting India’s circular economy goals.

### **10. Impact of Tariff on USA operations:**

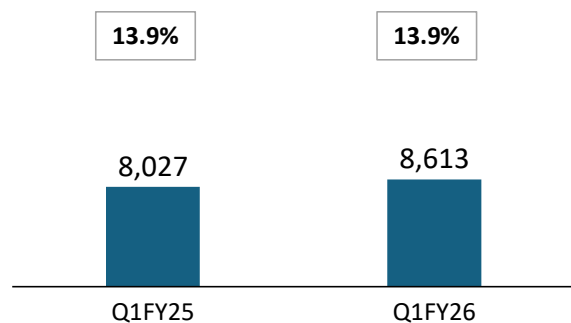
Revenue contribution from US manufacturing operations is around 8% of consolidated revenue of the company. The company is having manufacturing operations to serve the local industry considering the voluminous product and all the major inputs is sourced from local manufacturer, therefore tariff effect will not affect the revenue and margin of US operations.

# Quarterly Segmental Performance (Based on Regulatory Reporting)



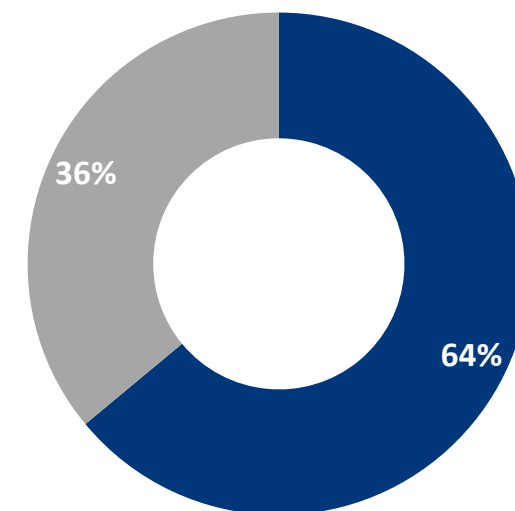
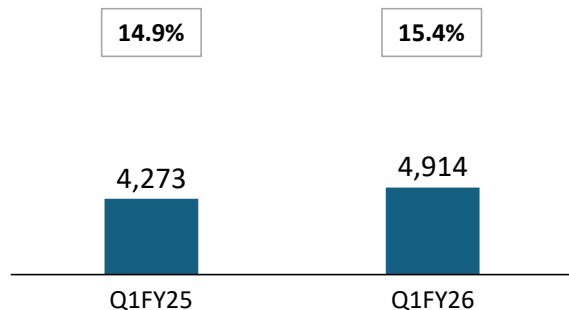
## Polymer Products

Revenue (₹ Mn) and EBITDA Margin (%)



## Composite Products

Revenue (₹ Mn) and EBITDA Margin (%)



■ Polymer Products ■ Composite Products

**Polymer Products:** HM-HDPE plastic Drums/Jerry Cans and Pails, Polyethylene (PE) pipes, Turf & Mattings, Disposable Bins and MOX Films

**Composite Products:** Intermediate Bulk Containers (IBC), Composite Cylinders (LPG, Oxygen & CNG), Energy storage devices, Auto Products and Steel Drums.

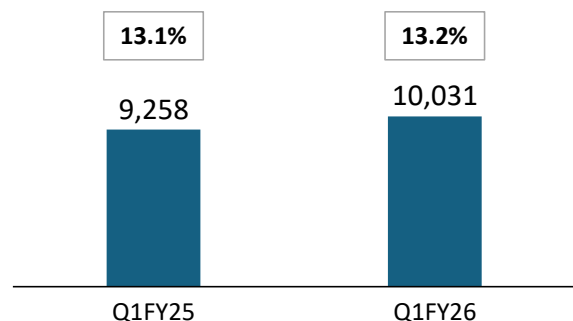


# Quarterly Segmental Performance (Based on Business Categorization)



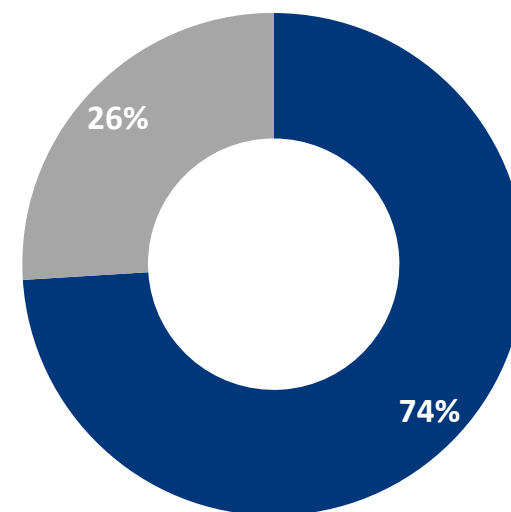
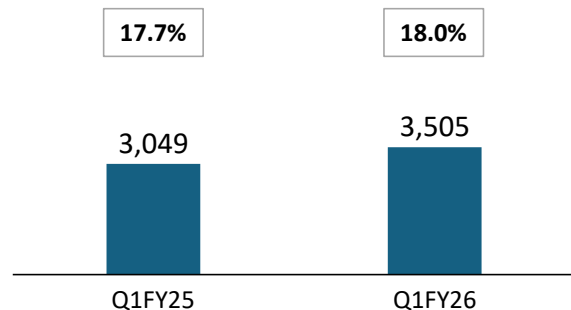
## Established Products

Revenue (₹ Mn) and EBITDA Margin (%)



## Value Added Products

Revenue (₹ Mn) and EBITDA Margin (%)



Established Products Value Added Products

**Established Products:** HM-HDPE plastic Drums/Jerry Cans and Pails, Polyethylene (PE) pipes, Turf & Mattings, Disposable Bins, Energy storage devices, Auto Products and Steel Drums.

**Value Added Products:** Intermediate Bulk Containers (IBC), Composite Cylinders (LPG, Oxygen & CNG) and MOX Films.

# Key Highlights



**₹ 1,160 Mn**

Cash Generated from  
Operating Activities – Q1FY26



**₹ 374 Mn**

Total Debt reduced by – Q1FY26



**₹ 434 Mn**

Total CAPEX – Q1FY26



**20%**

Composite Cylinders growth  
(CNG) – Q1FY26



**62:38**

Share of Business (India v/s  
Overseas) – Q1FY26



**18.1%**

Return on Capital Employed - FY25



**₹ 4,250 Mn**

Confirm Tender received for  
Supply of Packaging Products



**₹ 1,750 Mn**

Strong order book- Composite  
Cylinders (CNG Cascades)



**₹ 1,700 Mn**

Strong order book- PE Pipes



## Company Overview

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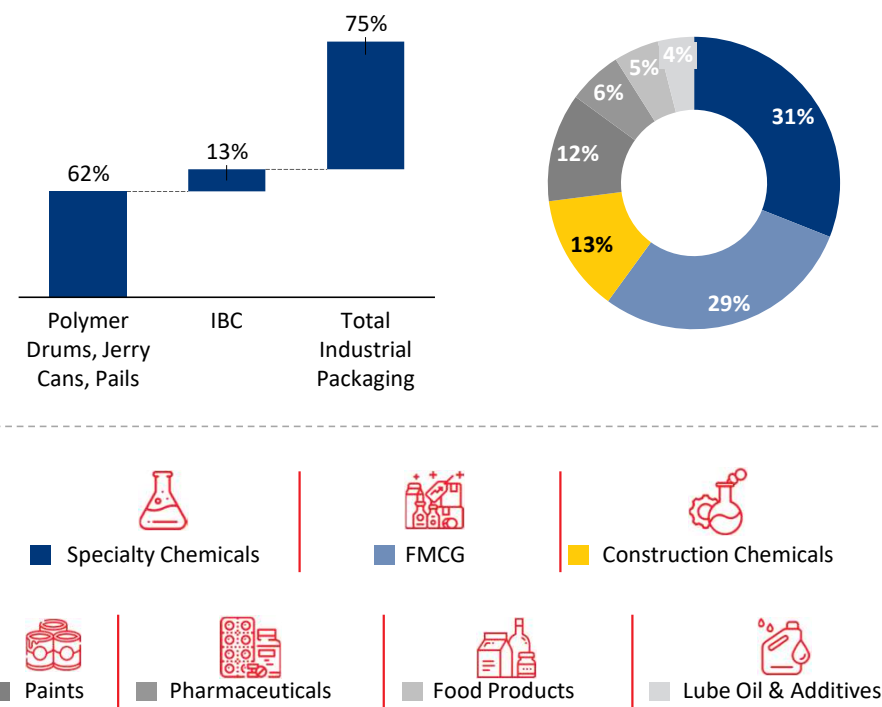
# Time Technoplast at a Glance



## Business Mix (FY25 Total Revenue : Rs. 5,462 Cr.)

<b>73%</b>	<b>(Rs. 3,987 Cr.)</b> Established Products	<b>27%</b>	<b>(Rs. 1,475 Cr.)</b> Value-Added Products
<b>62%</b>	<b>Industrial Packaging</b> (Rs. 3,398 Cr.) Polymer Drums, Jerry Cans, Pails	<b>13%</b>	<b>Industrial Packaging - Intermediate Bulk Container (IBC) (Rs. 698 Cr.)</b>
<b>7%</b>	<b>Infrastructure</b> (Rs. 377 Cr.) Polyethylene (PE) Pipes, Energy storage devices	<b>11%</b>	<b>Composite Products (LPG, CNG &amp; Oxygen) (Rs. 622 Cr.)</b>
<b>4%</b>	<b>Technical &amp; Lifestyle</b> (Rs. 212 Cr.) Turf & Matting, Disposable Bins, Auto Products	<b>3%</b>	<b>MOX Film (Techpaulin) (Rs. 155 Cr.)</b>

## Industrial Packaging Sales by User Industry



- Strong presence in Asia & MENA regions
- 14+ recognized brands with over 900 institutional customers globally
- Well established in-house R&D team of over 30 people combined experience of 450+ years

# ...with over three decades of leadership position



Pre IPO (prior to 2007)

Post IPO (from 2007)

1992 - 2000

- Incorporated Pvt. Ltd. Co.
- Production facilities in western region



- Launched Lifestyle products



- Expanded in North and South India

2001 - 2006

- Launched Automotive related Products



- Production facilities in East India
- Ventured in Thailand
- Acquisition of TPL Plastech Ltd. formerly known as Tainwala Polycontainers Ltd.

2007 - 2010

- Got listed on NSE & BSE
- Entered into battery business by way of acquisition of NED Energy Ltd.
- JV with Mauser for manufacturing steel drums
- Green field manufacturing set up in Sharjah (UAE)
- Additions in products base such as Plastic Fuel Tanks, IBC and Disposal Bins



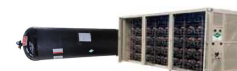
2011 - 2020

- Green field manufacturing set up overseas - Bahrain, Indonesia, Vietnam, Egypt, Malaysia and USA
- Acquisition in Industrial Packaging Segment – Thailand, Taiwan and Saudi Arabia
- Started HDPE and Cable Ducts pipe manufacturing
- Acquisition of company for technology of Composite Cylinders, consolidation with existing operations and Launch of LPG cylinders
- Started MOX films business



2020 onwards

- Expanded in USA with 3rd Greenfield unit
- 1<sup>st</sup> and only company in India to receive PESO approval for manufacturing of Type-IV CNG cylinders for Cascade and on-board applications.



- Expanded composite cylinder portfolio with launch of Type-III Cylinders for breathing air and medical oxygen.
- 1<sup>st</sup> company in India to receive PESO approval for manufacturing of High-Pressure Type-IV Composite Cylinders for Hydrogen.

## LEADING THROUGH INNOVATION AND TECHNOLOGY

Leading Global Industrial packaging company

**First** to launch Type-IV Composite Cylinder for LPG, CNG (CNG cascade and on-board application), and Hydrogen in India. **2nd Largest** Composite Cylinder manufacturer worldwide.

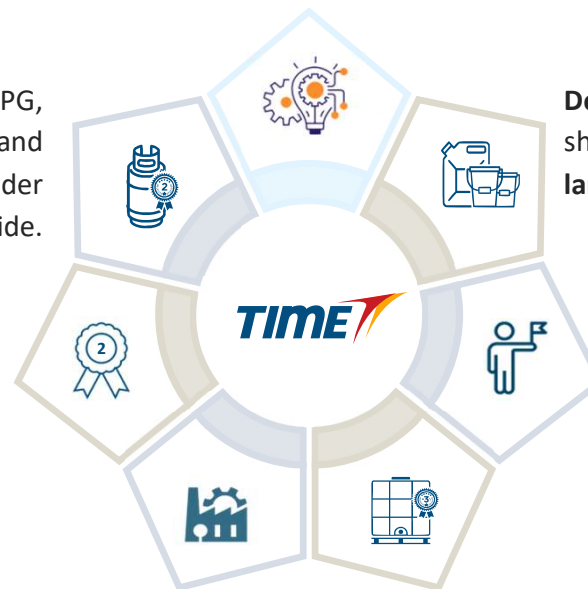
**2<sup>nd</sup> largest** MOX film manufacturer in India

**Major Player** in manufacturing of HDPE pipes in India

**First** to launch Intermediate Bulk Container (IBC) in India and **3rd Largest** IBC manufacturer worldwide.

**Dominant market position** with over 55% market share in domestic Industrial packaging. **World's largest manufacturer** of large size plastic drums

**Market leader** in 9 out of 11 countries it operates in



...with diversified product portfolio



## Innovative Polymer Products

### Industrial Packaging

#### Drums & Containers



#### Jerry Cans



#### Conipack Pails



### Infrastructure

#### HDPE Pipes



#### Energy Storage Devices



### Auto Components



## Value Added Products

### Industrial Packaging - Composite IBCs



### Composite Products (LPG, CNG and Oxygen)



### MOX Films



## Hi-Tech Products

### DEF (Urea) Tanks



### Composite Air Tank



### Hydraulic Oil Tank



and more...

- Focus on Innovative & Tech oriented polymer products and have several firsts to our credit-
- 1<sup>st</sup> to launch PE drums to replace steel
- 1<sup>st</sup> to launch Tubular Gel Batteries
- 1<sup>st</sup> to launch Anti-Spray Rain Flaps
- 1<sup>st</sup> Plastic Fuel tanks in CVs
- 1<sup>st</sup> to launch IBC
- 1<sup>st</sup> to launch Composite Gas cylinders
- 1<sup>st</sup> to receive approval for Composite cylinders for Hydrogen



...with wide geographical presence



Manufacturing Presence in **11 Countries** to meet local demand | **20 Manufacturing** locations in India



*WE are where OUR CUSTOMERS are.... Focus on high growth manufacturing geographies*

...with global marquee clients

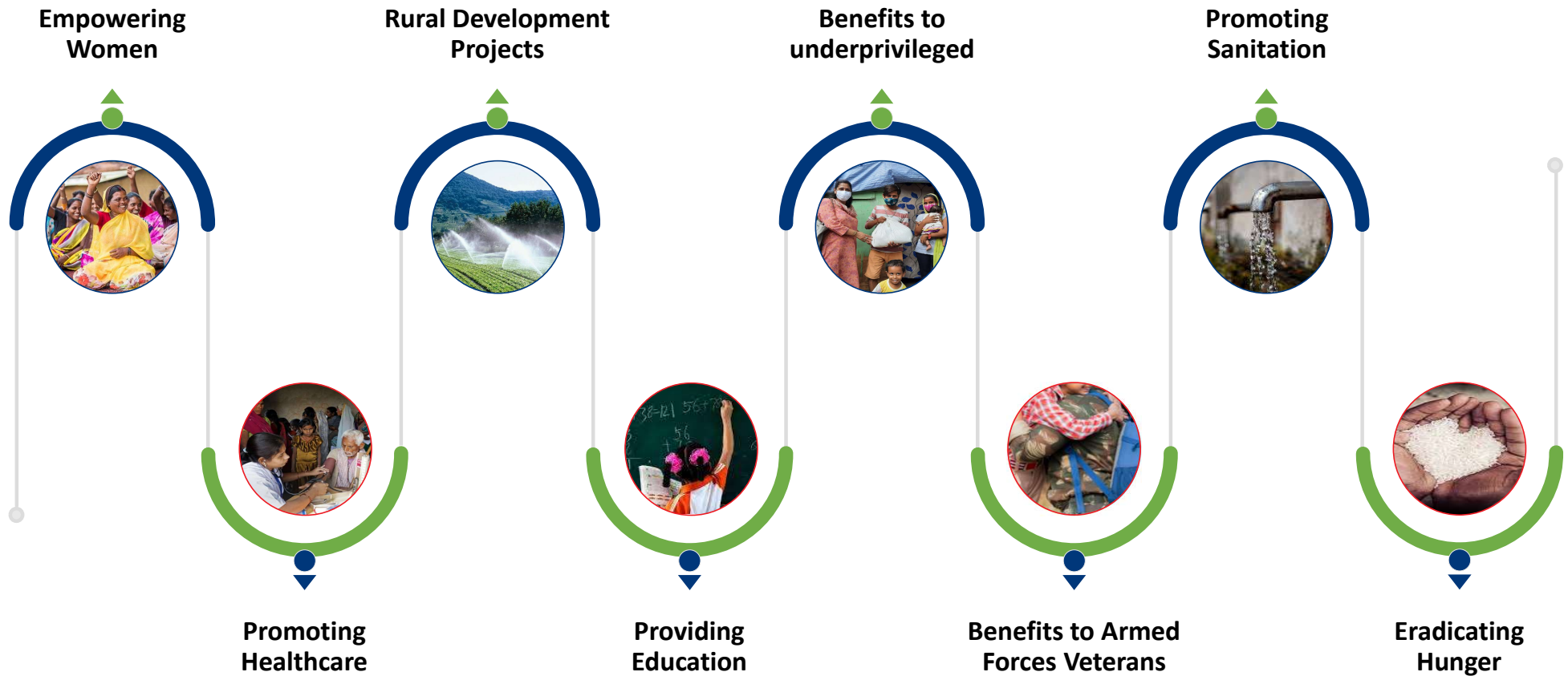
**TIME**

10% Reduction in Carbon Footprint from FY23



...with contribution for better society and a better tomorrow





## Appendix

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# Consolidated Income Statement



Particulars (₹ Mn)	Q1FY26	Q1FY25	Y-o-Y	FY25	FY24	Y-o-Y
<b>Total Income</b>	<b>13,536</b>	<b>12,307</b>	<b>10%</b>	<b>54,623</b>	<b>50,066</b>	<b>9%</b>
Total Expenses	11,578	10,556		46,721	43,016	
<b>EBITDA</b>	<b>1,958</b>	<b>1,751</b>	<b>12%</b>	<b>7,902</b>	<b>7,050</b>	<b>12%</b>
<b>EBITDA Margin (%)</b>	<b>14.5%</b>	<b>14.2%</b>		<b>14.5%</b>	<b>14.1%</b>	
Finance Cost (Net)	218	242		915	1,014	
Depreciation	447	409		1,697	1,726	
<b>PBT</b>	<b>1,293</b>	<b>1,100</b>	<b>18%</b>	<b>5,290</b>	<b>4,310</b>	<b>23%</b>
Tax	328	295		1,346	1,151	
<b>PAT before Minority Interest</b>	<b>965</b>	<b>805</b>		<b>3,944</b>	<b>3,159</b>	
Minority Interest	14	12		65	54	
<b>PAT after Minority Interest</b>	<b>951</b>	<b>793</b>	<b>20%</b>	<b>3,879</b>	<b>3,105</b>	<b>25%</b>
<b>PAT Margins (%)</b>	<b>7.0%</b>	<b>6.4%</b>		<b>7.1%</b>	<b>6.2%</b>	
EPS (₹)	4.19	3.49		17.1	13.71	

# Product Segment Wise Value and Volume Numbers



Particulars	Value			Volume			
	Q1FY26	Q1FY25	YoY Growth	Unit	Q1FY26	Q1FY25	YoY Growth
	(₹ Mn)	(₹ Mn)	%				%
<b>TURNOVER</b>							
<b><u>Established Products</u></b>							
Packaging (Excl. IBC Business ), Lifestyle , Auto , Batteries Business etc.	9,487	8,755	8.4%	M.T.	80,858	71,648	12.9%
PE Pipes	544	503	8.0%	M.T.	4,935	4,355	13.3%
<b>Sub - Total</b>	<b>10,031</b>	<b>9,258</b>	<b>8.3%</b>		<b>85,793</b>	<b>76,003</b>	<b>12.9%</b>
<b><u>VALUE ADDED PRODUCTS</u></b>							
IBC (Including Inner Containers)	1,786	1,530	16.7%	Nos.	2,26,455	1,88,545	20.1%
Composite Products							
- LPG Cylinders	430	404	6.2%	Nos.	2,14,578	2,04,395	5.0%
- CNG Cascades	875	728	20.3%	Nos.	112	95	17.9%
MOX Film	414	387	7.0%	M.T.	1,840	1,682	9.4%
<b>Sub - Total</b>	<b>3,505</b>	<b>3,049</b>	<b>15.0%</b>				<b>17.0%</b>
<b>Total</b>	<b>13,536</b>	<b>12,307</b>	<b>10.0%</b>				<b>13.7%</b>



# Consolidated Balance Sheet



Particulars (₹ Mn)	FY25	FY24
<b>Equity &amp; Liabilities</b>		
<b>Shareholder's Funds</b>		
Share Capital	227	227
Other Equity	28,694	25,301
<b>Total Shareholder's Fund</b>	<b>28,921</b>	<b>25,528</b>
<b>Minority Interest</b>	<b>700</b>	<b>635</b>
<b>Non-Current Liabilities</b>		
Long-Term Borrowings	1,471	1,654
Lease Liabilities	745	739
Deferred Tax Liabilities (Net)	1,331	1,127
<b>Total Non-Current Liabilities</b>	<b>3,547</b>	<b>3,520</b>
<b>Current Liabilities</b>		
Short-Term Borrowings	4,994	5,792
Trade Payables	4,511	4,439
Other Financial Liabilities	116	115
Other Current Liabilities	476	457
Short-Term Provisions	182	167
Current Tax Liabilities	540	487
<b>Total Current Liabilities</b>	<b>10,819</b>	<b>11,457</b>
<b>TOTAL - EQUITY AND LIABILITIES</b>	<b>43,988</b>	<b>41,140</b>

Particulars (₹ Mn)	FY25	FY24
<b>ASSETS</b>		
<b>Non-Current Assets</b>		
Fixed Assets		
Property, Plant & Equipment	12,825	12,866
Capital Work-in-Progress	794	412
Right-to-Use Assets	900	815
Intangible Assets	2	2
Others Financial Assets/Long Term Loans & Advances	468	400
<b>Total Non-Current Assets</b>	<b>14,989</b>	<b>14,495</b>
<b>Current Assets</b>		
Inventories	11,483	10,503
Trade Receivables	11,623	10,821
Cash and Cash Equivalents & Bank Balance	1,779	1,535
Other Current Assets	3,598	2,883
<b>Total Current Assets</b>	<b>28,483</b>	<b>25,742</b>
<b>Assets Classified As Held For Sale*</b>	<b>516</b>	<b>903</b>
<b>TOTAL - ASSETS</b>	<b>43,988</b>	<b>41,140</b>

\*In accordance with Ind AS 105 for Non-current Assets Held for Sale and Discontinued Operations, the management has identified and classified certain assets as held for sale

# Consolidated Cashflow



Particulars (₹ Mn)	FY25	FY24
<b>Net cash flow from operating activities</b>	<b>4,305</b>	<b>4,062</b>
Profit before tax & extraordinary items	5,290	4,310
Depreciation	1,697	1,726
Interest	915	1,014
Others	62	(83)
Working Capital Changes	(2,450)	(1,984)
Tax Payment	(1,209)	(920)
<b>Net cash used in Investing Activities</b>	<b>(1,466)</b>	<b>(1,870)</b>
Purchase of fixed assets	(1,958)	(1,808)
Others	492	(62)
<b>Net cash used in financing activities</b>	<b>(2,487)</b>	<b>(1,973)</b>
Net proceeds from borrowings	(981)	(656)
Increase in Share Capital Including Premium	-	97
Repayment of lease liability	(121)	(105)
Dividend paid & tax on dividend	(470)	(295)
Interest paid	(915)	(1,014)
<b>Net increase/(decrease) in cash &amp; cash equivalents</b>	<b>352</b>	<b>219</b>
Cash & cash equivalents as at (opening balance)	912	693
Cash & cash equivalents as at (closing balance)	1,264	912



**IBCs growing faster**  
Time Technoplast  
is the largest and  
major player in  
most countries it  
operates in



**Polymer and  
Composite products**  
to gain share from  
metals



**Recycling efforts to  
encourage  
sustainability**



**Chemical production  
shifting from China  
to other Asian  
countries**



## Market Potential

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# Industrial Packaging Industry – Market & Development



## Market

- The global market for industrial packaging is estimated to reach \$123.2 Bn by 2032, at a CAGR of over 5.9% owing to increasing trends in end-use industries such as automotive, food & beverages, chemical, construction and oil & lubricant.

## Drivers

- Shift from metal to polymer packaging due to technical and operational advantages and lower costs.
- A clear trend towards IBC is visible, which is correlated with a growing demand for reconditioning solutions mainly in developed regions.
- Given the presence of strong domestic demand for specialty chemicals, low cost of production and availability of skilled labour, large foreign players are increasingly looking at India as an alternative investment destination due to implementation of strict environmental norms in China.

## Emerging Packaging Scenario

- Multinational companies looking east for lower cost of production.
- Bringing in Good Manufacturing practices and improved handling systems.
- Improvement in transportation and handling facilities.
- Bulk transportation reducing logistic and shipping costs

Packaging Product (Market Size)	Asia (Mn Units)			Global (Mn Units)		
	India	Rest of Asia	Total	Asia	RoW	Total
Steel Drum	11 (41%)	131 (87%)	142 (80%)	142 (80%)	127 (81%)	269 (81%)
Polymer Drums	16 (59%)	19 (13%)	35 (20%)	35 (20%)	30 (19%)	65 (19%)
Total	27 (100%)	150 (100%)	177 (100%)	177 (100%)	157 (100%)	334 (100%)
IBCs	1 (28.5%)	2.5 (71.5%)	3.5 (100%)	3.5 (19%)	15.0 (81%)	18.5 (100%)

## Time Tech Customer Segment- Industrial Packaging

Segment	% Business	Expected Growth in FY25
Speciality Chemicals	31%	11% - 13%
FMCG	29%	11% - 13%
Construction Chemicals	13%	6% - 8%
Paints & Inks	12%	6% - 8%
Pharmaceuticals	6%	8% - 10%
Lube Oils & Additives	4%	6% - 8%
Others	5%	5% - 7%



**We are at inflection point**  
**Shifting from Tech based products to High-Tech products with focus on Composites**



**Type IV CNG Cylinder Cascades**  
**Lighter – Carries 220% More Gas**

- Composite is a material of future replacing metals in high performance applications

- Tectonic shift


- Harnessing new growth opportunities in existing business
  - Launching new products with huge business potential
  - Aspire to be largest Composite product company in the country
  - New product launches will help improve margins and reduce working capital
  - We draw strength from the launch of LPG Composite Cylinders and maintaining market leadership in 10 years



**Type IV CNG Cylinder – Metal Free**

# CNG Cylinder : Overall Market Potential

Huge revenue potential given India's low penetration of CNG fuel stations and CNG vehicles

	Total Estimated Business (Rs. Cr.)	Business in No. of Years	Estimated Market Per Year (Rs. Cr.)	Conversion %	Total Estimated Business (Type-IV) per year (Rs. Cr.)
CNG Cascades	11,453	8	1,432	50%	716
MRUs	1,320	4	330	50%	165
Compressed Bio Gas	6,000	3	2,000	20%	400
Gas Generators for Telecom Towers	4,800	4	1,200	20%	240
CNG for Intracity Buses	5,304	4	1,326	50%	663
<b>Total Estimated value of Business</b>	<b>28,877</b>		<b>6,288</b>		<b>~2,200</b>

*Focus on buses; Commercial vehicles and passenger cars, estimated to have equal or more potential Business from commercial vehicles and passenger cars not factored*



## Type-III Composite Cylinder for Breathing Air / Medical OXYGEN

- Successfully developed Fully Wrapped Carbon Fibre Reinforced (Type-III) Composite Cylinder for Breathing Air/ Medical Oxygen; 1<sup>st</sup> locally manufactured cylinder to get approval from PESO in India.
- **Application as Self-Contained Breathing Apparatus (SCBA) by-**
  - Fire Fighters,
  - Divers (SCUBA)
  - Mountain climbers at high altitudes
  - Hospitals
  - Portable home oxygen bottles
  - Emergency use in ambulances

### Numerous advantages over Type-I metal cylinders



Explosion Proof



60% lighter in weight than  
Type-I metal cylinders



No Rusting and  
No Corrosion



Long service life



*Type-III Composite Cylinders form a part of High-Tech Composite Products and are classified under Value-added products.*



Hydrogen Type III Composite Cylinder

**Fly Longer,  
Higher & Faster**

**~50% Lighter**  
Than Battery variant\*

**3 Times More Flying Hours\***  
In single fueling

**5 minute**  
Refueling time\* Vs 3 hour charging  
time for battery variant

**5000+ hours for Fuel cell system**  
500-1000 charge cycles for battery\* variants

Approved by **PESO** in November 2024 for Type-III cylinder for the **FIRST TIME IN INDIA.**

## Drone Application – Advantages of Hydrogen V/s Lithium-Ion Batteries

### Longer Flight Duration

Hydrogen fuel cells can provide a higher energy density compared to lithium-ion batteries, allowing drones to fly for longer periods without recharging/refuelling.

### Lighter Weight for Energy Storage

Hydrogen systems generally offer better energy-to-weight ratios, which can be crucial for drones where weight significantly impacts performance.

### Faster Refuelling

Refuelling a hydrogen cylinder takes a few minutes, whereas recharging lithium-ion batteries may take hours.

### Higher Altitude Performance

Hydrogen-powered drones perform better at higher altitudes due to less dependency on air density for cooling compared to battery systems.

### Eco-Friendly

Hydrogen fuel cells produce water as a byproduct, offering a more environmentally friendly solution compared to lithium-ion batteries, which may involve rare earth materials and hazardous chemicals.

## Key Takeaways

### Long Flight Missions

Hydrogen variants are ideal for long-duration missions, such as surveying or mapping.

### Cost Considerations

Initial costs for hydrogen systems can be higher, but operational costs may decrease over time due to longer life cycles and reduced refuelling times.

### Weight Efficiency

Hydrogen systems reduce the drone's weight, improving flight efficiency.

### Environmental Advantage

Hydrogen systems are more sustainable in the long term.



**More distance, less weight and cost efficient**

**~1.6 Mn** E-Rickshaws In India  
\*As of 31.03.2025

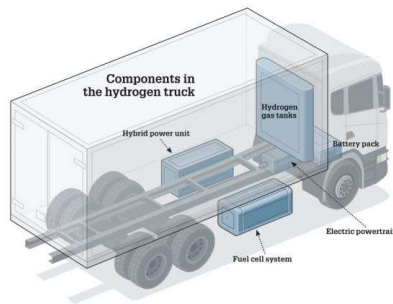
**4** Batteries in each E-Rickshaw  
\*Each Battery costs ~10K INR

**~6,400 Cr** Market Size  
\*As of 31.03.2025

**0.4 Mn** New E-Rickshaws are added every year in India

This is a product of our subsidiary company **POWER BUILD BATTERIES PRIVATE LIMITED.**

## Hydrogen Cylinder for Fuel Cells



- Type-IV Carbon wrapped cylinders
- Light weight (90% weight reduction) - provides better fuel economy and better payload
- Reliable and safe
- Applications – Hydrogen Cars, power generation (Towers)

## Composite Fire Extinguisher



- Made with HDPE inner liner
- Light Weight, Carbon Neutral and 100% recyclable
- Higher Strength with winding
- Maintenance Free & Corrosion Free
- Long shelf life

## E-Rickshaw Battery



- Made with Lead-Selenium Alloy
- High Cycle Life – Provides up to 450 cycles
- Extended Battery Life – Reduced water loss
- Enhanced Efficiency & Cost Savings – Delivers extra mileage

# Shareholding Pattern

Shareholders	As of 30 <sup>th</sup> Jun 2025	As of 31 <sup>st</sup> Mar 2025
<b>Promoters</b>	<b>51.62%</b>	<b>51.62%</b>
<b>Domestic Institutional Investors</b>	<b>12.92%</b>	<b>12.99%</b>
- HSBC Mutual Fund		
- Tata Mutual Fund		
- HDFC Mutual Fund		
<b>Foreign Institutional Investors</b>	<b>8.29%</b>	<b>8.07%</b>
- Ntasian Discovery Fund		
- Vanguard Group		
<b>Public</b>	<b>27.16%</b>	<b>27.32%</b>

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Meeting Request

Link

**Thank You**