



# PLEXCCONNECT

EDITION 70, AUGUST 2025

**PRODUCT OF THE MONTH** Pg No. 22

Rigid Pipes & Tubes of  
Polymers of Vinyl Chloride

**INDIA - UNITED KINGDOM  
COMPREHENSIVE ECONOMIC  
& TRADE AGREEMENT (CETA)  
& ITS IMPACT** Pg No. 35



**NEW!  
POINT OF VIEW**

Pg No. 26

**KA Peter**

AVP - Packaging Development  
and Sustainability  
(Godrej Consumer Products Ltd)

Pg No. 37

**GLOBAL TRENDS &  
INNOVATIONS**

**STATE PROFILE** Pg No. 31

Tamil Nadu





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**“THE COUNCIL’S PRIORITY WILL BE TO HELP MEMBERS FULLY LEVERAGE THE **BENEFITS OF CETA** BY ORGANIZING MARKET ACCESS PROGRAMS, BUYER-SELLER MEETS, AND CAPACITY-BUILDING INITIATIVES TAILORED TO THE UK MARKET.”**

## **FORGING AHEAD WITH GLOBAL PARTNERSHIPS**

India’s plastics exports continued their growth trajectory in June 2025, reaching USD 1,036 million - a 5.7% increase over June 2024 USD 981 million. Cumulatively, exports during April - June 2025 stood at USD 3,110 million, marking a 5.8% rise compared to USD 2,938 million during the same period last year. This consistent growth, even amid broader global uncertainties, highlights the resilience of the Indian plastics industry and the sustained international demand for our products.

In a landmark development, we congratulate the Government of India on the successful signing of the Comprehensive Economic and Trade Agreement (CETA) with the United Kingdom - a landmark development that will significantly enhance bilateral trade. Plastics exports to the UK rose from USD 445 million in 2023 - 24 to USD 509 million in 2024 - 25, reflecting a strong 14.4% growth. With the UK being India’s 5th largest export destination, the agreement is expected to remove key trade barriers, improve predictability, and unlock new business opportunities for Indian exporters. CETA is not just a trade pact - it is a catalyst for long-term growth, value addition, and deeper integration of Indian manufacturers into global value chains.

On the domestic front, the Council has remained active through targeted policy engagement and export awareness initiatives. We participated in District Export Promotion Council (DEPC) meetings in Maharashtra and held dedicated sessions in West Bengal and Jalgaon, focused

on key sectors like human hair and plastics. These efforts are aligned with our ongoing commitment to enabling on-ground support for exporters and aligning with state-level strategies.

Looking ahead, the Council’s priority will be to help members fully leverage the benefits of CETA by organizing market access programs, buyer-seller meets, and capacity-building initiatives tailored to the UK market. We will also continue advocating for progress on other trade fronts, including the India - USA Bilateral Trade Agreement (BTA), while closely monitoring global developments that could impact our sector.



We are entering a new era of trade opportunity. With the right strategic focus and government support, the Indian plastics industry is well-positioned to expand its global footprint and contribute meaningfully to the nation’s export ambitions.

Warm regards,  
**Vikram Bhaduria**  
**Chairman, PLEXCONCIL**

## MEETINGS WITH VARIOUS STAKEHOLDERS

### **02nd July 2025: Stakeholder's Consultation Meeting in connection with developing four Zonal Export Hubs in West Bengal | Eastern Region**

The Stakeholder's Consultation Meeting was chaired by Mr Rajesh Pandey, IAS, Principal Secretary, MSME & Textiles Department, Govt. of West Bengal to identify and develop four Zonal District Hubs in West Bengal. Regional Director(East) represented the Council at this meeting.

### **8th July 2025: Meeting with Joint DGFT, Govt. of India | Northern Region**

Mr Sanjay Singh, Dy. Director-PLEXCONCIL Northern Region met with Mr. Moin, Joint DGFT for a discussion on issues pertaining to Certificate of Origin and during the meeting the Council submitted the copies of representation received from the trade.



### **9th July 2025: Meeting with officials of the Office of the Additional Directorate General of Foreign Trade (DGFT), Ahmedabad | Western Region**

A meeting was held with officials of DGFT RA Ahmedabad regarding organizing the Export Awareness Program for the Plastic Industry (under the Niryat Bandhu Scheme of the DGFT) at the DGFT office, Ahmedabad. On behalf of Plexconcil, the meeting was attended by Mr. Naman Marjadi, Assistant Director, PLEXCONCIL, and a proposal was discussed to organize the program.

### **11th July 2025: Stakeholders Consultation Meeting on Preparation of India's Goods market access offers for India-Chile CEPA negotiations | Eastern Region**

The Stakeholder's Consultation Meeting was chaired by Joint Secretary(Petrochemicals), DCPC with regard to Preparation of India's Goods market access offers for India-Chile CEPA negotiations. Mr Nilotpal Biswas, Regional Director(East) joined the meeting through online mode.

### **17th July 2025: 'Stakeholders Consultation' Meeting on Industrial Development in Jharkhand | Eastern Region**

The Meeting was organised by the Department of Industries, Government of Jharkhand. Managing Director, JIIDCO, Director - Directorate of Industries, Govt. of Jharkhand, RD, JIADA, Adityapur Region attended the meeting. There was a presentation on Plastic Park at Deoghar being setup by JIIDCO. Mr Nilotpal Biswas, RD represented the Council at this meeting.

### **24th & 25th July 2025: Meeting with DoC, Govt. of India | Western Region**

Mr. Vikram Bhadauria, Chairman-Plexconcil, Mr. Sribash Dasmohapatra, Executive Director, Ms. Bharti Parve, Dy. Director and Mr Sanjay Singh, Dy. Director virtually attended a meeting under the chairmanship of Ms. Aishvarya Singh, Joint Secretary, DoC, Govt. of India to discuss the India- UK CETA and its effects on the plastic industry.

### **28th July 2025: Meeting with Doc, Govt. of India | Western Region:**

The meeting reconvened on 28th July 2025, under the chairmanship of Ms. Aishvarya Singh, Joint Secretary, to further deliberate on matters related to India-UK CETA and its implications for the Indian plastics industry. Key topics discussed included Rules of Origin, Value Chain Integration, and other related aspects. The virtual meeting was attended by Mr. Sachin Shah, Vice-Chairman, Mr. Sribash Dasmohapatra, Executive Director, and Ms. Bharti Parve, Deputy Director.



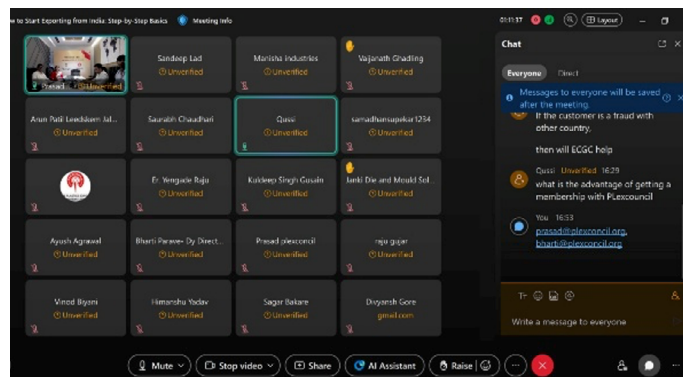
WEBINARS

**24th July 2025:**  
**Webinar on How to Start Exporting from India - Step-by-Step Basics | Western Region**

Plexconcil organized a webinar specifically for **Plastic Industry Members of Jalgaon and Maharashtra** on How to Start Exporting from India - Step-by-Step Basics. The session began with opening remarks by Mr. Prasad A. Arolkar, Assistant Manager, Plexconcil, who welcomed the participants and introduced the objectives of the webinar.

A detailed and informative **thematic presentation** on the topic was delivered by **Mrs. Bharti Parave**, Deputy Director – Trade & Policy, Plexconcil. The session covered the Basic procedure, documentation, and the role of PLEXCONCIL to assist the Indian Plastic Manufacturers in their Export Journey.

**A total of 21 participants attended the webinar**, and Plexconcil officials addressed Various queries of the participants during the meeting. The webinar helped participants to gain insights into basic guidance for starting an export business.



STATE OUTREACH INITIATIVES

**30th June 2025:**  
**PLEXCONCIL suggests awareness program for Maharashtra Export Promotion Policy | Western Region**

PLEXCONCIL participated in the District Export Promotion Council (DEPC) meeting held on June 30, 2025, at the Mumbai Suburban Collector Office, chaired by Mr. Saurabh Katiyar, IAS, to discuss the approved District Level Export Strategy and the implementation of the ODOP initiative and Maharashtra Export Promotion Policy 2023. Represented by Ms. Bharti Parave (Dy Director) and Mr. Raja Narayanan(Sr. Manager), PLEXCONCIL offered support for policy implementation and proposed a virtual awareness program for plastics exporters.

The Council also expressed interest in collaborating on joint initiatives with the Indian Institute of Packaging. A senior Ernst & Young consultant presented key features of the policy, highlighting the Export-Oriented Specific Proj-

ect (EOSP) and Export-Oriented Industrial Parks (EOIP) schemes. The district invited project proposals under these schemes and identified marine products and gems & jewellery as focus sectors, with plastics, engineering, and textiles also proposed. The meeting included representatives from various export promotion councils.

### **11th July 2025: Export Awareness Program in Jalgaon, Maharashtra | Western Region**

PLEXCONCIL participated in the District Export Promotion Council (DEPC) meeting held on June 30, 2025, at the Mumbai Suburban Collector Office, chaired by Mr. Saurabh Katiyar, IAS, to discuss the approved District Level Export Strategy and the implementation of the ODOP initiative and Maharashtra Export Promotion Policy 2023. Represented by Ms. Bharti Parave (Dy Director) and Mr. Raja Narayanan (Sr. Manager), PLEXCONCIL offered support for policy implementation and proposed a virtual awareness program for plastics exporters.

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– President, Laghu Udyog Bharti, Jalgaon, and Shri Vinod Biyani – The Plastic Processors Association, Jalgaon. A presentation on plastics export opportunities was given by Shri. Sachin Shah, Vice Chairman, PLEXCONCIL & Mrs Bharti Parave (Dy. Director – Trade & Policy). The meeting ended with a Vote of thanks by Mr. Prashant Patil, DIC Jalgaon.

### **16th July 2025: PLEXCONCIL participates in District Export Promotion Meeting Chaired by Mumbai Collector | Western Region**

PLEXCONCIL participated in the District Export Promotion Council (DEPC) meeting held on July 16, 2025, at the Mumbai Collector Office, chaired by Smt. Aanchal Sood Goyal (I.A.S), to discuss the One District One Product (ODOP) initiative and strategies under the Maharashtra Export Promotion Policy 2023. A senior consultant from Ernst & Young presented a 10-point state export promotion plan, highlighting partnerships with 28 organizations and district-level strategies, including capacity-building and engagement with Export Promotion Councils (EPCs).

The Collector emphasized promoting skill training and Ease of Doing Business reforms. PLEXCONCIL shared its successful export awareness program in Jalgaon and proposed collaborating with the District Industries Centre to extend outreach through online programs. Plexconcil was represented by Mr. Raja Narayanan (Sr Manager). The Council also expressed interest in joining the Centre's partnership with the Indian Institute of Packaging.

### **30th & 31st July 2025: Human Hair Exporters' Meet in Digha, Medinipur - West Bengal | Eastern Region:**

The Human Hair Exporters' Meet was held in Digha, Medinipur near the Human Hair processing center, this meet was jointly organized by PLEXCONCIL in association with WB Human Hair Association.

The Exporters Meet was addressed by Mr. Benjamin Cheriyan, Panel Chairman-Human Hair, DGFT, Customs officials, GST officials, ECGC and other key stakeholders. The primary objective of the meet was to address the key concerns like shortage of raw hair, customs clearance issues, non-receipt of payment, value addition, etc.

## ★ COUNCIL ACTIVITIES

The Council was represented by Mr. Nilotpal Biswas, Regional Director – East.



### LIST OF REPRESENTATIONS MADE IN JULY 2025

- 1. Representation to DGFT, New Delhi** requesting for Enhancement of Product Entry Functionality in Certificate of Origin Module.
- 2. Representation to O/o. Consulate General of India, New York, USA** regarding Outstanding Dues from M/s Patel Sales, New Jersey to M/s Upaj Investment & Finance Pvt. Ltd., Mumbai, India.
- 3. Submission of data to Trade Finance Services Section, Department of Commerce** regarding the pre and post shipment interest rate charged by various AD bank to the MSME's.
- 4. Submission of inputs to the O/o. DCPC** regarding India-EU - Product Specific Rules of Origin.
- 5. Submission of inputs to FT(LAC), DoC** regarding on trade negotiations with Peru and Chile.
- 6. Submission of inputs to O/o, RBI** regarding recent announcement of draft.

## SUMMARY OF EXPORTS

India's plastic exports grew for the third consecutive month this financial year, rising 5.7% in June 2025, despite 0.05% decline in overall merchandise exports. In value terms, exports grew to USD 1.04 billion in June 2025 from USD 981 million, this month, one year back. Consistent growth in plastic exports indicate steady rise in order inflows from foreign countries.

Export of value added plastic products grew 5.2%, while shipment of raw materials expanded 4.5%. There was a 15.1% rise in export of human hair and allied products. Among value-added products, the highest growth in value terms was recorded in: FIBC, woven sacks & woven fabrics (21.9%); Human hair & related products (15.1%) and Consumer & houseware products (14.6%).

Cumulatively, plastics export during April - June 2025 was USD 3,110 million as against USD 2,938 during the same period last year, registering an increase of 5.8% led by growth across most of the plastic product categories.

To view detailed reports for any of the previous months please visit: <https://plexconcil.org/statistics>

Shipment of raw materials expanded 4.5%



There was a 15.1% rise in export of human hair and allied products.

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## ANALYSIS OF INDIA'S PLASTICS EXPORT

JUNE 2025

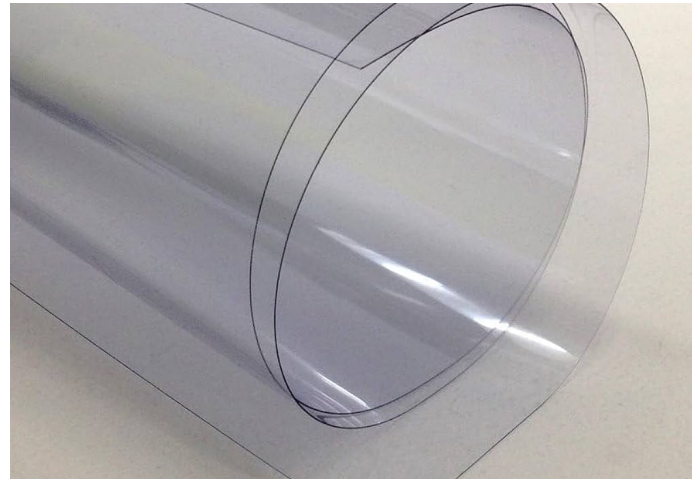
### KEY FINDINGS

Plastic exports grew 5.7% in June 25, despite 0.05% decline in overall merchandise exports.

This marks third consecutive month of growth in current financial year indicating strong demand for Indian plastic products globally.

USA and Netherlands were key consistent growth markets across multiple product panels including Consumer and Houseware, Cordage, FIBC, and pipes & fittings.

Western European countries like Spain, Italy, and Germany showed weak demand, especially impacting exports of medical items and plastic films & sheets.



## EXPORT PERFORMANCE

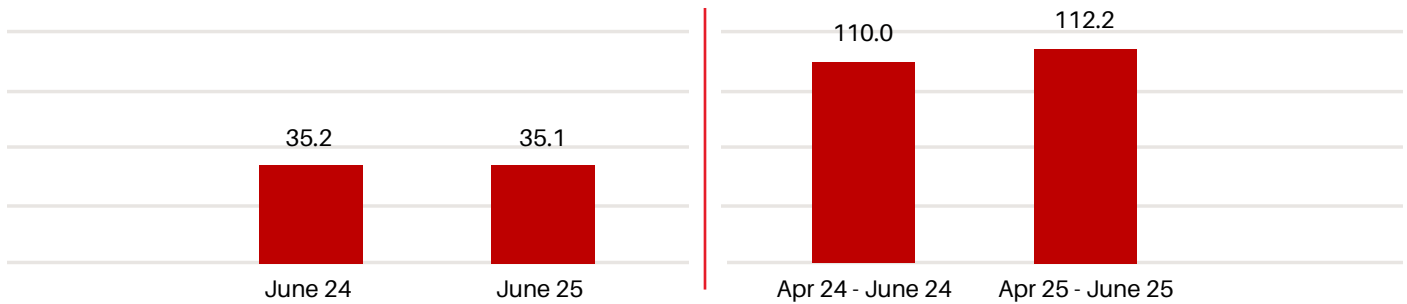
### TREND IN OVERALL EXPORTS

India's overall merchandise exports declined marginally by 0.05% during June 2025 from the year ago month after falling 2.2% in May 2025. The fall in exports during June 2025 was led by contraction in shipments of gems & jewellery, petroleum products and cotton.

However, cumulative merchandise exports during Apr-Jun 2025 recorded 1.92% growth.

**Exhibit 1: Trend in overall merchandise exports from India**

(USD Billion)



**Source:** Ministry of Commerce & Industry, Government of India

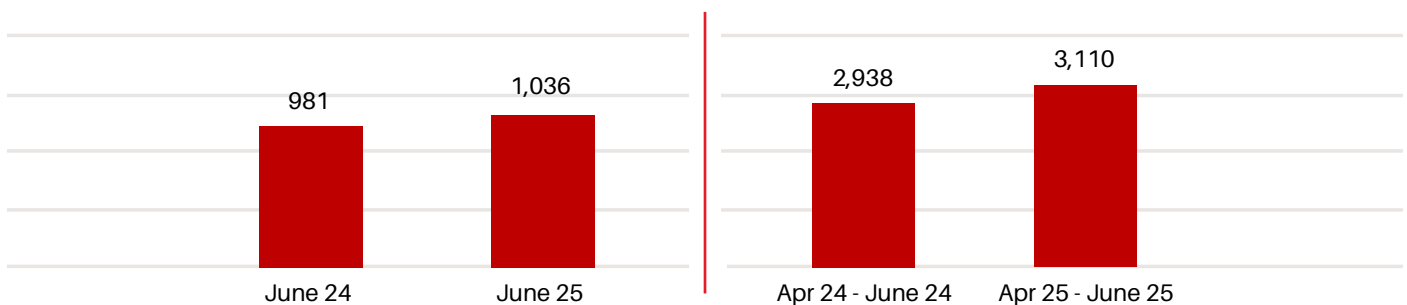
### TREND IN PLASTICS EXPORT

During June 2025, India exported plastics worth USD 1,036 million, higher by 5.7% from USD 981 million in June 2024.

Cumulative value of plastics export during April - June 2025 was USD 3,110 million as against USD 2,938 during the same period last year, registering an increase of 5.8%.

**Exhibit 2: Trend in plastics export by India**

(USD Million)



**Source:** Ministry of Commerce & Industry, Government of India

## EXPORT PERFORMANCE

### PLASTICS EXPORT, BY PANEL

In June 2025, eight out of the 13 panels recorded growth in exports, while the rest posted mild declines. Notably, several categories such as FIBC, woven sacks, packaging items; plastics raw materials; human hair; Consumer & houseware products and Miscellaneous products and items nes witnessed double-digit growth, contributing significantly to the overall expansion. The remaining growing segments, including Packaging items - flexible, rigid; Plastic pipes & fittings and Cordage, fishnets & monofilaments also supported the upward trend.

Exports of plastic films & sheets; Medical items of plastics; Floorcoverings, leathercloth & laminates; FRP & Composites and Writing instruments & stationery registered contraction during this month as the following Exhibit shows.

**Exhibit 3: Panel-wise % growth in plastics export by India**

Panel	Jun-24	Jun-25	Growth	Apr 24- Jun-24	Apr 25- Jun-25	Growth
	USD Million		%	USD Million		%
Consumer & houseware products	63.1	72.3	+14.6%	185.9	216.8	+16.6%
Cordage, fishnets & monofilaments	23.3	23.3	+0.3%	68.3	68.6	+0.4%
FIBC, Woven sacks, Woven fabrics, Tar-paulin	111.4	135.8	+21.9%	339.4	417.4	+23.0%
Floorcoverings, leathercloth & laminates	62.6	60.9	-2.6%	180.6	183.8	+1.8%
FRP & Composites	42.2	41.2	-2.4%	126.7	123.5	-2.5%
Human hair & related products	65.7	75.6	+15.1%	181.8	204.1	+12.3%
Medical items of plastics	47.4	42.5	-10.3%	133.8	136.0	+1.6%
Miscellaneous products and items nes	56.5	70.0	+23.8%	161.2	196.3	+21.8%
Packaging items - flexible, rigid	54.0	57.0	+5.6%	159.8	170.0	+6.4%
Plastic films and sheets	162.9	153.7	-5.7%	503.7	481.6	-4.4%
Plastic pipes & fittings	23.6	25.2	+6.5%	70.5	75.0	+6.4%
Plastic raw materials	248.6	259.7	+4.5%	762.4	772.7	+1.4%
Writing instruments & stationery	19.7	19.4	-1.7%	64.3	64.1	-0.4%
	<b>981</b>	<b>1,036</b>	<b>+5.7%</b>	<b>2,938</b>	<b>3,110</b>	<b>+5.8%</b>

Source: Ministry of Commerce & Industry, Government of India

## EXPORT PERFORMANCE

**Exports of Consumer & Houseware Products** posted double digit growth of 14.6% during the month led by strong growth in exports of Tableware & Kitchenware of plastics (392410) to USA and Benin; Travelling bags (42029200) and Tooth Brushes (96032100) to Belgium, Germany & the Netherland.

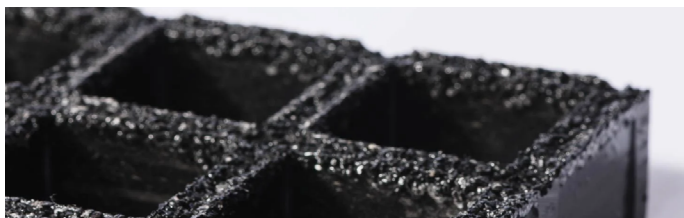
**Exports of Cordage, Fishnets & Monofilaments** grew marginally by 0.3% in June 2025 because of rise in shipment of Other Polyethene or Polypropylene Cordage (56074900) to the USA, Netherland and Norway; Made up Fishing Nets (56081190) to Faroe Island and Russia.



**Exports of FIBC, Woven Sacks and Women Fabrics** posted healthy growth of 21.9% led by increase in demand for manmade textile FIBC (63053200) in European markets such as Germany, Netherland. There was also increase in export orders from Tanzania, Guinea, Djibouti and other countries for Other Sacks and Bags (39232990).

**Shipment of Floor Coverings, Leather Cloth & Laminates** declined 2.6% in June 2025 because of lower demand for PVC floor coverings (391810) from USA, UAE, Saudi Arabia and other markets. There were also poor export orders for plastic coated fabrics (59039090) from UAE & Chile.

**Export of FRP & Composites** fell 2.4% in June 2025 because of lower demand for Other Plastic articles (392690) in USA, Canada and Brazil.



**Shipment of Human Hair & Related Products** grew 15.1% led by healthy demand for dressed or worked human hair (67030010) in China & Viet Nam and strong sales of unworked human hair (05010010) in Myanmar and Bangladesh.

India recorded 10.3% contraction in export of **Medical Items of Plastics** in June 2025 because of fall in shipment of spectacle lenses of other materials (90015000) to Germany, UK and USA; Also, export of Syringes (90183100) fell in key markets such as Brazil and UK.

**Miscellaneous Products & Items Nes** posted highest growth of 23.8% during the month driven by strong demand for optical fibre bundles & cables (90011000) in USA, UK and China. Indian exporters are also benefitting from recovery in demand in Malaysia and China for PVC Belt Conveyor (39269010).

**Packaging Items - Flexible, Rigid** posted 5.6% growth in exports led by rise in demand for Polyethylene Sacks & Bags (39232100) in USA and Tanzania; increase in export orders for Carboys, Bottles, Flasks & Similar Articles (39233090) from Singapore and Nepal.



Shipment of **Plastic Films & Sheets** declined 5.7% because of weak demand for Plates Sheets of Polymers of Propylene (392020) in UAE, UK, Spain and other markets. Also, there is slowdown in export orders for PET Plates & Sheets (392062) in Italy, Spain and other western markets. Additionally, production was affected by fire incident, at the Nashik unit of Jindal Films, which is a major manufacturer and exporter of this product.

Export of **Plastic Pipes & Fittings** witnessed 6.5% growth during the month because of strong export orders from Algeria, Iraq, UAE for PVC Tubes Pipes and Hoses (391723). There was also healthy demand for Other Tubes Pipes & Hoses (39173990) from USA, Saudi Arabia and Australia.

Export of **Plastic Raw Materials** grew 4.5% during the month because of strong demand for Other Acrylic Polymers excluding Poly Methyl Methacrylate (39069090) in Argentina, UAE and Nigeria. Also, there was healthy export orders for Other Cellulose and chemical derivatives (39129090) from USA, South Korea, Poland and Australia.

Export of **Writing Instruments & Stationery** declined 1.7% because of weak demand for certain types of Pens & Markers (96082000) in Australia, UAE, USA and some western countries. There was also decline in export orders for other Ball Point Pens (96081099) in USA in recent months.

Exhibit 4: Details of % change seen in top 50 items of export

HS Code	Description	Apr 24-Jun-24	Apr 25-Jun 25	Growth
		Values in USD Mn		%
63053200	Flexible intermediate bulk containers	195.7	251.8	+28.7%
67030010	Human hair, dressed, thinned, bleached or otherwise worked	141.1	146.4	+3.7%
39269099	Other articles of plastics n.e.s	125.1	122.4	-2.2%
39232990	Other sacks and bags of plastics excl. those of polymers of ethylene	105.9	123.2	+16.2%
39021000	Polypropylene	103.2	70.8	-31.4%
39076190	Other primary form of polyethylene terephthalate	63.6	72.1	+13.4%
48239019	Decorative laminates	74.7	80.1	+7.3%
90011000	Optical fibres, optical fibre bundles and cables	70.7	92.7	+31.1%
39206220	Flexible and plain sheets and film of non-cellular polyethylene terephthalate	71.6	57.1	-20.3%
39269080	Polypropylene articles	61.2	66.7	+9.1%
39069090	Other acrylic polymers, in primary forms	50.0	58.2	+16.5%
39202020	Flexible and plain sheets and film of non-cellular polymers of ethylene, not reinforced	63.3	52.1	-17.6%
39232100	Sacks and bags, incl. cones, of polymers of ethylene	48.4	52.4	+8.2%
59039090	Other textile fabrics impregnated, coated, covered or laminated with plastics other than polyvinyl chloride or polyurethane	54.1	52.6	-2.7%
39239090	Other articles for the conveyance or packaging of goods, of plastics	49.7	51.4	+3.3%
5010010	Human hair, unworked; whether or not washed or scoured	39.8	56.6	+42.2%
39014010	Linear low density polyethylene (LLDPE	45.9	28.3	-38.2%
39202090	Films and sheets of non-cellular polymers of ethylene, not reinforced	41.7	39.5	-5.1%
90015000	Spectacle lenses of materials other than glass	42.5	42.2	-0.7%
90183930	Cannulae	32.2	39.4	+22.2%
39012000	Polyethylene with a specific gravity of >= 0,94, in primary forms	27.6	28.0	+1.5%
39219099	Other sheets and film of plastics, reinforced, laminated, supported or similarly combined with other materials, unworked	35.4	32.0	-9.5%
96081019	Ball-point pens	32.3	30.4	-5.7%
39199090	Other self-adhesive sheets and film of plastics, whether or not in rolls > 20 cm wide	27.5	26.8	-2.5%
56074900	Twine, cordage, ropes and cables of polyethylene or polypropylene	27.3	28.7	+4.9%
39046100	Polytetrafluoroethylene	29.7	32.4	+9.0%

**Exhibit 4: Details of % change seen in top 50 items of export**

HS Code	Description	Apr 24-Jun-24	Apr 25-Jun 25	Growth
		Values in USD Mn		%
54072090	Woven fabrics of strip or the like, of synthetic filament, incl. monofilament of >= 67 decitex and with a cross sectional dimension of <= 1 mm: Other	31.2	30.0	-3.6%
39076990	Other primary form of polyethylene terephthalate	26.8	30.6	+14.0%
39129090	Other cellulose and chemical derivatives thereof, n.e.s., in primary forms	26.5	33.8	+27.7%
39219094	Flexible and metallised sheets and film of plastics, reinforced, laminated, supported or similarly combined with other materials, unworked	26.4	25.5	-3.1%
39181090	Other floor coverings, whether or not self-adhesive, in rolls or in the form of tiles, and wall or ceiling coverings in rolls with a width of >= 45 cm, of polymers of vinyl chloride	23.9	20.7	-13.6%
39046990	Other fluoro-polymers of vinyl chloride or of other halogenated olefins, in primary forms	25.2	25.5	+1.1%
39241090	Other tableware and kitchenware, of plastics	24.8	26.9	+8.5%
39206919	Other sheets and film of non-cellular polyesters, not reinforced, laminated, supported or similarly combined with other materials, not worked	21.7	28.1	+29.4%
39206290	Other sheets and film of non-cellular polyethylene terephthalate, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked	24.7	21.3	-13.9%
39072990	Other polyethers n.e.s	20.9	25.5	+22.2%
39140020	Ion-exchangers based on polymers of heading 3901 to 3913, in primary forms: Ion exchangers of polymerisation or	23.6	18.9	-19.8%
39095000	Polyurethanes, in primary forms	21.3	20.6	-3.2%
39206929	Plates, sheets, film, foil and strip, of non-cellular polyesters, not reinforced, laminated, supported or similarly combined with other materials, not worked or only surface-worked, or only cut to rectangular, incl. square, shapes	24.5	23.0	-6.1%
39204900	Sheets and film of non-cellular polymers of vinyl chloride, containing by weight < 6% of plasticisers, not reinforced	18.5	19.4	+5.0%
96032100	Tooth brushes	17.2	22.4	+30.6%
39119090	Other polysulphides, polysulphones and other polymers and prepolymers produced by chemical synthesis, n.e.s.	20.7	25.2	+21.9%
59031090	Other textile fabrics impregnated, coated, covered or laminated with polyvinyl chloride	19.0	20.1	+6.2%

**Exhibit 4: Details of % change seen in top 50 items of export**

HS Code	Description	Apr 24-Jun-24	Apr 25-Jun 25	Growth
		Values in USD Mn		%
39219096	Flexible and laminated sheets and film of plastics, reinforced, laminated, supported or similarly combined with other materials, unworked	19.0	20.6	+8.4%
39201019	Other sheets and film of non-cellular plastics	20.4	20.0	-2.1%
39235010	Stoppers, lids, caps and other closures, of plastics: Caps and closures for bottles	19.8	16.8	-14.8%
39011090	Other polyethylene with a specific gravity of < 0.94, in primary forms	19.8	21.9	+10.9%
39172390	Rigid tubes, pipes and hoses, and fittings therefor, of polymers of vinyl chloride: Other	14.8	17.0	+15.0%
39076930	PET flake (chip)	15.9	28.1	+76.7%
39241010	Tableware and kitchenware, of plastics: Insulated ware	12.5	16.3	+30.5%

Source: Ministry of Commerce & Industry, Government of India



**Exhibit 5: Reasons for major decline in plastic products exports**

HS Code	Description	Apr 24- Jun 24	Apr 25 - Jun 25	Reasons for decline
		(USD Mn)		
39021000	Polypropylene	103.2	70.8	Exports have declined because of decline in sales to Bangladesh as there are certain restrictions on exports via land borders; Also, there is weak demand in Turkey, Nepal and Viet Nam. Exports have declined also because of domestic shortage as India is a net importer of this raw material.
39014010	Linear low-density polyethylene (LLDPE)	45.9	28.3	Exports have declined due to lower shipments to China, which was the largest market for this product. Also, there is weak demand in Viet Nam. Exports have declined also because of domestic shortage as India is a net importer of this raw material.
39206220	Flexible and plain sheets and film of non-cellular polyethylene terephthalate	71.6	57.1	Decline in exports can be attributed to subdued demand in key European markets such as Spain and Italy, which rank among the top five export destinations for this product category. Additionally, supply-side disruptions have further contributed to the drop — notably, a major production setback at Jindal Films due to a recent severe fire incident. As one of the leading manufacturers, this unexpected disruption in operations may have significantly constrained overall availability and shipment volumes of PET films and sheets.
39202020	Flexible and plain sheets and film of non-cellular polymers of ethylene	63.3	52.1	Indian exporters are facing weak demand in USA, UK and Mexico. Decline in exports can be attributed to subdued demand in key European markets such as Spain and Italy, which rank among the top five export destinations for this product category. Additionally, supply-side disruptions have further contributed to the drop — notably, a major production setback at Jindal Films due to a recent severe fire incident. As one of the leading manufacturers, this unexpected disruption in operations may have significantly constrained overall availability and shipment volumes of PE films and sheets.

Source: Ministry of Commerce & Industry, Government of India, Plexconcil Research

# MR. ABHISHEK BHUTORIA

**Director,  
Gujarat Raffia Industries Ltd.**

**1. Please share a perspective on your journey at Gujarat Raffia Industries Ltd. What has been your focus area since you started your journey?**

GRIL is a family owned company. I started my journey with learning how to adapt to the **technical aspects of the business** which was contrary to my educational background. This was the most important learning curve for me to take this business ahead. Over the years I have learnt the ability to embrace new challenges, acquire new skills and adjust to evolving circumstances, which I believe is crucial for sustained, success and personal growth. My focus area has been **sales & marketing of our products** & also the adaptation of latest technology in our industry. //

**2. What has been your most important learning?**

The most important learning has been knowing the key players, market trends and dynamics, and also updating the technology to have an edge in the market. I personally feel that **quality of the product and sustaining it**, is an absolute imperative for success. //

**3. Gujarat Raffia Industries Ltd has a fairly diversified portfolio. Right from HDPE Tarpaulin products, PP Bags, PE Ropes to sand bags and lumber wraps. Which product line is your key focus area.**

HDPE tarpaulin, weed mat and geomembrane are the key focus area at GRIL. //

Geomembrane



Weed Mat

**4. Do you have any plans to diversify your product portfolio?**

Yes, we plan to diversify into **manufacturing of shade nets, and establish Agro product hubs** in different parts of the world, which is a long term goal. "



Shade Net

**5. What are some of the key technology innovations that you have adopted in your manufacturing processes in the recent years. How has it helped?**

Some of the key technology innovations & variations, we have adapted in production process would be : **Mono to co-ex lamination, sticker bar code for product information at the storehouse, conveyor belt for the easy and faster dispatch of goods and to avoid damaging the goods, solar plant for energy efficiency and sustainability and improvised welding techniques.**

All of the above, put together, has helped us in the manufacturing of Fire Retardant Tarpaulin which is more suitable for various outdoor and industrial applications. "

**6. What are the various innovations that is happening in India, in the domain of HDPE Tarpaulin products?**

Quite a few innovations are being brought in by various players. Some of the salient ones are:

- 🔴 High speed fabric weaving machine
- 🔴 Mono to co-ex lamination
- 🔴 Use of recycled material
- 🔴 Loom data monitoring system

**"WE ARE PLANNING TO EXPAND OUR GLOBAL FOOTPRINT BY ESTABLISHING OUR OFFICE IN THE USA."**

**7. With Sustainability standards getting constantly re-defined, what do you envisage are the challenges for the HDPE Tarpaulin category as a whole. What are some of the measure you are adopting to make your products more sustainable?**

As the sustainability standards are constantly getting re-defined, it affects the entire production process and also the cost associated with the technology upgradation. Therefore, I believe the way forward is to look at different technology solutions towards making the product more and more sustainable.

Which is what we are trying to do at our company. We have adopted the following measures.

- 🔴 Incorporating recycled plastic into new products.
- 🔴 Durable & reusable products, therefore working on sustainable design principles.
- 🔴 Extended producer responsibility.
- 🔴 We have invested in digitization & data management for optimum utilisation of resources.
- 🔴 We have got certified for ISO 50001 for energy management systems & ISO14001 for Environmental Management Systems. "



Tarp

## ★ YOUNG ACHIEVERS

**8. As far as exports are concerned, which are the countries you are focusing on now? What are some of the learnings? Are you planning to expand your global footprint?**

“ We are focusing on the **US and the Middle East market**. We are learning about the different audit requirements and certification in different countries and at the same time we are trying to adapt to the difference in working patterns in the US retail chains and the industrial importers in the middle east market. Yes, we are planning to expand our global footprint by establishing our office in US. ”

**9. What has been your experience in managing the government export guidelines and frameworks. What are some of your suggestions to make the experience more seamless.**

“ The Indian government’s management of export guidelines for the tarpaulin industry has involved adapting to evolving international standards, **promoting domestic manufacturing, and streamlining export procedures**. The experience includes navigating regulations related to quality, environmental impact, and safety, while also leveraging export promotion schemes and digital platforms to facilitate trade.

There should be **centralised portal mentioning all the schemes by the state and the central government** which would create awareness also make the experience more seamless and easier to understand. ”



Gujarat Raffia Industries Ltd. (Our Plant)

Inside Our Plant



Solar Panels



Weed Mat



Tarp

PP Bag

### 1. Clarification on Para 2.12 of Foreign Trade Policy (FTP) 2023

Para 2.12 of FTP 2023 allows goods that have already been imported, shipped, or arrived (but not yet cleared by Customs) to be cleared against an authorisation (e.g., Advance Authorisation) issued later. Typically, such goods are warehoused first and then cleared.

However, the DGFT clarifies that warehousing is not mandatory if:

The authorisation is obtained before customs clearance, even if the goods were shipped before the authorisation was issued. This clarification is intended to reduce unnecessary costs and procedural delays for importers. The relaxation does not apply to 'Restricted' items or items traded through State Trading Enterprises (STEs), unless specifically approved by DGFT.

[Link to the PDF](#)

#### **Conclusion:**

Goods imported under above circumstances need not undergo mandatory warehousing.

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### 2. Initiation of Anti-Dumping Duty on Import of LLDPE

The Directorate General of Trade Remedies (DGTR) has initiated an anti-dumping duty investigation on Linear Low-Density Polyethylene (LLDPE) [HS 39011010 and HS 39014010] imported from Kuwait, Malaysia, Oman, Qatar, Saudi Arabia, and the United Arab Emirates.

[Link to the PDF](#)

#### **Conclusion:**

DGTR is examining whether there is unfair pricing in the import of LLDPE from the above countries that hurts the interest of local industry.

### 3. CBIC Circulars on Online application facility for MOOWR Scheme

The Central Board of Indirect Tax and Customs (CBIC) has issued two circulars related to the MOOWR Scheme: Online Application Portal. The first Circular No. 18/2025-Customs dated 22.07.2025 stated that the digitized application for the MOOWR Scheme, previously available on the Invest India microsite, would no longer be accessible for submission. Therefore, applicants were advised to submit applications for license under Section 58 and Section 65 of the Customs Act directly to the jurisdictional Principal Commissioner / Commissioner of Customs in the prescribed format. On the next day, the CBIC issued another Circular withdrawing the earlier one. In the new Circular, the CBIC informed that the online application facility will remain operational until 31st October 2025 to ensure ease of use and uninterrupted digital access for applicants.

[Link to the PDF](#)

#### **Conclusion:**

The Online application facility for MOOWR Scheme has been extended until 31st October 2025. An alternate electronic system for application submission is currently under consideration, and detailed transition guidelines will be issued in due course.

# RIGID PIPES & TUBES OF POLYMERS OF VINYL CHLORIDE



Rigid pipes and tubes of polymers of vinyl chloride is a **value-added plastic product used for transporting or distributing water** for plumbing, agriculture, drinking purpose, industrial applications. It is also used for carrying hazardous chemicals, other liquids and gaseous matters such as air in air conditioning or **HVAC systems**.

These tubes, pipes and hoses are generally produced using **unplasticized polyvinyl chloride (uPVC)** and they are durable, resistant to corrosion and they are preferred over metal tubes because of **light weight and convenience in handling**. These pipes are available in various diameters and pressure ratings to suit domestic, commercial, and infrastructure needs. This product is classified under Subheading 391723 of the Harmonized System (HS) of Coding.

## MARKET DYNAMICS

Global demand for Rigid pipes and tubes of PVC is stable at a CAGR of 2.4% in the last 10 years from USD 1.4 billion in 2014 to USD 1.7 billion in 2024.

🔴 **The top five exporters of this product are: China (14.7%), USA (8.1%), Italy (7.4%), Germany (5.8%) and Canada (4.9%).**

🔴 **The top five importers of this product are: USA (12.2%), France (7.4%), Canada (4.7%), UK (3.4%) and Iraq (3.3%).**

## INDIA'S PERFORMANCE (EXPORTS)

India has emerged as the **seventh largest exporter of this product** and its share in global shipments has nearly doubled from 2.4% in 2014 to 4.5% in 2024, indicating growing demand for Indian products in this category.

At the 8-digit HS code level, India's exports are primarily under two classifications: "Other Tubes, Pipes and Hoses of PVC" (HS 39172390) and "Seamless Tubes of PVC" (HS 39172310).

India's exports of this product have been growing steadily in recent years. From the pre-pandemic level of USD 53.5 million in FY19 to USD 83.1 million in FY25, **exports have grown at a CAGR of 7.6% in value terms in the last six years**. In quantity terms, exports have grown 9.8% CAGR from 26,971 tonnes in FY19 to 47,180 million units in FY25. **Iraq was the top export destination both in terms of value as well as volume.**



**Top 10 Destinations in value and quantity terms 2024-25**

Sr. No	Destination Country	Value (USD Mn)	Share in total exports (%)	Destination Country	Qty. (000' tonnes)	Share in total exports (%)
1	Iraq	8.0	10%	Iraq	6.01	13%
2	UAE	5.3	6%	UAE	3.3	7%
3	Mexico	4.8	6%	Algeria	2.7	6%
4	Algeria	4.6	6%	Mexico	1.9	4%
5	Oman	3.1	4%	Yemen	1.9	4%
6	Egypt	2.9	3%	Oman	1.9	4%
7	Libya	2.9	3%	Egypt	1.8	4%
8	Bhutan	2.7	3%	Morocco	1.7	4%
9	Yemen	2.7	3%	Libya	1.7	4%
10	Morocco	2.7	3%	Maldives	1.4	3%
	<b>Total of top 10 countries</b>	<b>39.6</b>	<b>48%</b>	<b>Total of top 10 countries</b>	<b>24.31</b>	<b>52%</b>
	<b>Total of all countries</b>	<b>83.1</b>	<b>100%</b>	<b>Total of all countries</b>	<b>47.2</b>	<b>100%</b>

**Source:** Department of Commerce, Govt. of India, Plexconcil Research

**INDIA'S PERFORMANCE (IMPORTS)**

India's import of PVC rigid pipes and tubes is minimal, ranking 54th globally with a 0.4% share in global imports. Imports grew at a 5% CAGR in value, from USD 6.3 million in FY19 to USD 8.5 million in FY25, and at 2.1% CAGR in quantity, from 1,851 tonnes to 2,100 tonnes. China was the top supplier both in terms of value as well as volume.

Sr. No	Source Country	Value (USD Mn)	Share in total imports (%)	Source Country	Qty. (000' tonnes)	Share in total imports (%)
1	China	2.2	25%	China	0.7	34%
2	Nepal	0.9	11%	Nepal	0.5	22%
3	Germany	0.9	10%	Malaysia	0.3	14%
4	UK	0.8	10%	Bangladesh	0.2	11%
5	Malaysia	0.7	9%	Germany	0.1	4%
6	USA	0.4	5%	South Korea	0.1	2%
7	Spain	0.4	4%	UK	0.0	2%
8	Bangladesh	0.4	4%	Indonesia	0.0	2%
9	South Korea	0.3	3%	Spain	0.0	2%
10	Thailand	0.3	3%	USA	0.0	1%
	<b>Total of top 10 countries</b>	<b>7.2</b>	<b>85%</b>	<b>Total of top 10 countries</b>	<b>2.0</b>	<b>95%</b>
	<b>Total of all countries</b>	<b>8.5</b>	<b>100%</b>	<b>Total of all countries</b>	<b>2.1</b>	<b>100%</b>

**Source:** Department of Commerce, Govt. of India, Plexconcil Research

## ★ PRODUCT OF THE MONTH

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### OPPORTUNITIES FOR INDIAN EXPORTERS

Indian manufacturers and merchant exporters of Rigid PVC Tubes, Pipes and Hoses have tremendous untapped export potential in Australia, Canada, Indonesia, Malaysia, Mexico, Singapore, Saudi Arabia, UAE and UK.

Import of this product is eligible for zero customs duty in Australia under India-Australia Economic Cooperation and Trade Agreement.

**Canada** is the third largest importer of this product in the world and its MFN duty is 0% and hence Indian exporters can explore this market

Certain ASEAN countries, such as **Indonesia**, offers preferential duty on imports of these products from India under the **ASEAN-India Free Trade Agreement**.

**Mexico** and **Singapore** are the 6th and 7th largest importers of this product respectively, and both have an MFN

duty of 0%, making them favourable markets for Indian exporters.

**Saudi Arabia** is a promising destination as it figures among top 10 world importers. Though it imposes 7% duty, exporters can explore this market as it is geographically closer to India.

**United Kingdom** is the fourth largest importer of this product in the world, and it offers zero duty market access under Developing Country Trading Scheme to India and the United Arab Emirates under Comprehensive Economic Partnership Agreement.

Unfortunately, some countries in LAC, Africa and CIS region do not accord any preferential treatment to Rigid pipes and tubes of polymers of vinyl chloride imported from India due to which the average customs duty faced on this product is high, which can increase the cost of doing business with these products.



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Effective tariff applied by various regions on import of Rigid pipes and tubes of polymers of vinyl chloride from India

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- ✦ Bulk Hair

Top Merchant Exporter in "Northern Region" by The PLEXCONCIL  
(Ministry of Commerce Industry, Govt. of India) for consecutive 19 years



**"Top Export Excellence"**  
Award in  
(Northern Region) by  
**FIEO**  
2014-2015



**"Highest Foreign Exchange Earner" Award  
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# PACKAGING INNOVATIONS AND THEIR IMPACT ON SOCIETY

## K A Peter

AVP - Packaging Development and Sustainability  
Godrej Consumer Products Ltd



Packaging has evolved far beyond its original purpose of simply protecting products. In today's fast-paced and highly digitized world, packaging is now central to how brands communicate, build trust, promote sustainability, and connect with consumers.

From smart labels and digital prints to recyclable materials and automation-ready designs, packaging is undergoing a transformation that reflects the broader shifts in consumer behavior, technological advancement, and environmental responsibility.

This article explores how packaging innovations are shaping society, drawing on real-world examples from industries such as Beauty and Cosmetics, Food and Beverages, pharmaceuticals and e-commerce.

## 1 MINIMALISTIC PACKAGING: Reducing Waste and Cost

Minimalistic packaging—often referred to as “Minima”—is gaining momentum as brands aim to reduce waste and improve sustainability without compromising functionality. This approach uses fewer materials, simplified design, and environmentally friendly inks and adhesives.

Apple's packaging strategy is a benchmark in minimalism. The iPhone box, with its precise dimensions not only provides a premium unboxing experience but also reduces shipping volume and associated carbon emissions.

In the beauty industry, **The Ordinary** by DECIEM has built a brand around minimalist packaging. The clinical look with monochrome labels, glass dropper bottles, and recyclable paper cartons highlights transparency, sustainability, and scientific credibility -all while reducing unnecessary packaging layers.

## 2 ENHANCING CONSUMER EXPERIENCE Through Design

Packaging is now designed to deliver sensory and emotional connections. This includes tactile textures, ergonomic shapes, easy-to-open features, and interactive experiences.

**Coca-Cola's "Share a Coke"** campaign is a classic case of personalized packaging creating emotional resonance. By printing individual names on bottles, Coca-Cola saw a significant boost in sales and consumer engagement.

In cosmetics, **Fenty Beauty** by Rihanna has set new standards with inclusive and well-thought-out packaging catering to different ethnicities. Similarly, **Glossier's pink bubble pouches** are now iconic, providing a delightful unboxing experience while doubling as reusable bags.

## 3 CHANNEL-SPECIFIC INNOVATIONS for New Market Avenues

As shopping behavior evolves, packaging must adapt to new channels like **e-commerce, modern trade, and quick commerce platforms**. Packaging for online sales must be both durable and lightweight, while still delivering a positive unboxing experience.

**Amazon's "Frustration-Free Packaging"** initiative requires suppliers to create packaging that is easy to open, recyclable, and ready to ship without additional packaging. Ever since its launch in 2008, FFP has become an industry benchmark for ecommerce businesses across globe. The AI enabled design for creating shipping box size for the product, recyclable fillers, paper tapes, etc. have helped in substantial material saving and packages that are designed to be more human-friendly eliminating scissors or cutters for unboxing.

Beauty brands like **Sephora** and **Nykaa** have invested heavily in e-commerce packaging innovation. Nykaa's tamper-proof, lightweight, yet protective boxes ensure products arrive safely even with fragile contents like lipsticks or serums. They also include sample sachets and mini catalogs to add value and enhance the post-purchase experience.



## 4 DIGITAL TECHNOLOGY: Smart, Connected Packaging



Smart packaging is a game-changer. Technologies like **QR codes, RFID tags, NFC chips, digital encryption, and augmented reality (AR)** are turning packaging into interactive platforms that engage consumers and enhance transparency.

Pharmaceutical companies are using **smart blister packs** embedded with NFC tags to track medication adherence. In the food sector, Nestlé's QR-enabled packaging allows consumers to trace the product's origin and sustainability efforts.

The beauty industry is also embracing digital packaging. **L'Oréal** has implemented **AR** with apps like Modi-Face that let users try on makeup virtually through product-linked QR codes. Similarly, **YSL's Perso**—a smart device launched by L'Oréal—uses AI and IoT to dispense custom lip shades. The accompanying packaging integrates with mobile apps to personalize consumer experience from product to application.

## 5 CIRCULARITY AND EXTENDED PRODUCER RESPONSIBILITY (EPR)

With increasing regulatory pressure and consumer demand for sustainable practices, companies are embracing **circular packaging models** and taking responsibility for the lifecycle of their products through EPR compliance.

Global CSD and beverage companies are investing in **return and refill programs** and using **recycled PET** in bottles to reduce their plastic footprint. In India, FMCG players are building reverse logistics systems to collect post-consumer waste.

Beauty brands are pioneers in circularity as well. **Lush Cosmetics** uses compostable packaging and offers a "Bring it Back" program where customers return used containers for a reward.

MAC Cosmetics' **Back-to-M·A·C program** allows customers to return six empty product containers in exchange for a free lipstick, promoting recycling behavior. Garnier's **Green Beauty Initiative** aims for 100% recyclable or reusable packaging across all its product lines.



## 6 RISING CONSUMER AWARENESS AND ETHICAL EXPECTATIONS



Consumers - especially Gen Z and Millennials - are increasingly aware of their ecological footprint and demand that brands take responsibility. They expect packaging to reflect a brand's values, transparency, and authenticity.

Lush and The Body Shop promote clear ethical sourcing, minimal waste, and cruelty-free ingredients directly on their packaging.

Beauty startup Cocokind highlights not just ingredients but carbon footprints on its packaging, providing transparency in mainstream skincare. This level of detail builds trust and empowers the consumer to make sustainable choices.

## 7 AUTOMATION, ROBOTICS, AND HIGH-SPEED PRODUCTION LINES

In an age of global supply chains and rapid consumer demand, packaging must be compatible with **automation and high-speed manufacturing systems**. This requires designing packages that are uniform, stackable, and easily handled by machines.

Companies are heavily investing in automated lines requiring precision-designed packaging for seamless operation.

Beauty brands like **Estée Lauder and L'Oréal** operate large-scale automated packaging plants with robotics that handle everything from filling and capping to labeling and boxing.

In the near future, automation will combine machine vision with AI to detect defects in packaging, give feedback to back end, take corrective action thus ensuring quality at speed.

As demand for customized beauty products grows, automation is also supporting mass personalization through digital printing and modular filling systems.

## CONCLUSION: Packaging as a Social Enabler

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Packaging is no longer just about containing, protecting, and delivering a product. It is an integral part of the consumer experience, a reflection of corporate responsibility, and a driver of innovation. With the integration of digital technologies, sustainable materials, and intelligent design, packaging is helping companies align with the demands of modern consumers and global regulations.

Whether **digital encryption** ensuring product authenticity, **augmented reality** enhancing product engagement, **minimalist design** creating elegant simplicity, or **personalized packaging** fostering emotional connections, packaging is serving society in a multifaceted way. It acts as a bridge between product and consumer, brand and trust, and business and sustainability.

As industries continue to evolve, packaging will remain at the forefront - adapting, innovating, and enabling a better, more connected world.



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## POWERING EXPORTS, SHAPING THE FUTURE.

### STATE PROFILE

Tamil Nadu, located in the southern part of India, is bordered by Kerala, Karnataka, and Andhra Pradesh, with a long coastline along the Bay of Bengal. Covering an area of around 130,000 sq. km, the state is divided into 38 districts. Tamil Nadu boasts excellent maritime connectivity with major seaports such as Chennai, Ennore, and Thoothukudi, making it a vital gateway for international trade.

As one of India's most industrialized and urbanized states, Tamil Nadu has a diverse and dynamic economy. It is a leader in sectors such as automobiles and auto components, textiles and garments, leather products, electronics hardware, pharmaceuticals, and engineering goods. Major industrial corridors and hubs such as Chennai, Coimbatore, Hosur, Tirupur, and Sriperumbudur fuel the state's robust manufacturing and export ecosystem.

### OVERVIEW OF THE PLASTICS INDUSTRY IN TAMIL NADU

Tamil Nadu ranked 6th in India for plastics exports in 2023-24, with exports valued at USD 535 million and a market share of 4.6%.



## Panel wise, exports from Tamil Nadu for the past two years

Product Panels	2022-23	2023-24	Growth
	(USD Million)		%
Consumer & Houseware Products	118.92	114.68	-3.6%
Cordage, Fishnets & Monofilaments	19.58	23.42	+19.6%
FIBC, Woven Sacks, Woven Fabrics, Tarpaulin	63.89	59.25	-7.3%
Floorcoverings, Leathercloth & Laminates	1.71	2.04	+19.5%
FRP & Composites	36.72	37.57	+2.3%
Human Hair & Related Products	45.04	36.49	-19.0%
Medical Items of Plastics	4.39	5.19	+18.4%
Miscellaneous Products and Items Nes	42.43	48.27	+13.8%
Packaging Items - Flexible, Rigid	43.91	40.43	-7.9%
Plastic Films and Sheets	41.75	38.83	-7.0%
Plastic Pipes & Fittings	49.00	51.07	+4.2%
Plastic Raw Materials	64.80	65.78	+1.5%
Writing Instruments & Stationery	18.10	12.23	-32.4%
	<b>550.23</b>	<b>535.26</b>	<b>-2.7%</b>

Source: DGCIS, Plexconcil Research

Plastics exports during FY 2023-24 was valued at USD 535 million as against USD 550 million during the same period last year, registering a decline of 2.7%

### Growth in Key Product Panels:

Several product panels witnessed positive growth during 2023-24. Notable among them were *Cordage, Fishnets & Monofilaments, Floorcoverings, Leathercloth & Laminates, Medical Items of Plastics, Miscellaneous Products and Items NES, Plastic Pipes & Fittings, FRP & Composites, and Plastic Raw Materials*. These segments reflect growing global demand and resilient performance amidst a challenging trade environment.

### Challenges in Specific Segments:

Conversely, several key export panels experienced a decline. *Writing Instruments & Stationery* faced the sharpest drop, followed by *Human Hair & Related Products, Packaging Items - Flexible, Rigid, FIBC, Woven Sacks & Related Products, Plastic Films and Sheets, and Consumer & Houseware Products*.



## STATE PROFILE

### TOP 10 ITEMS OF PLASTICS EXPORT FROM TAMIL NADU

Exports from Tamil Nadu comprised mainly of value-added plastic products. Its top 10 plastics export items collectively highlight the state's strong position as a global leader in the plastics industry. These products, valued at USD 299 million, account for a significant share (56%) of the state's total plastics exports during FY 2023-24.

**Below are the top exporting plastics products:**

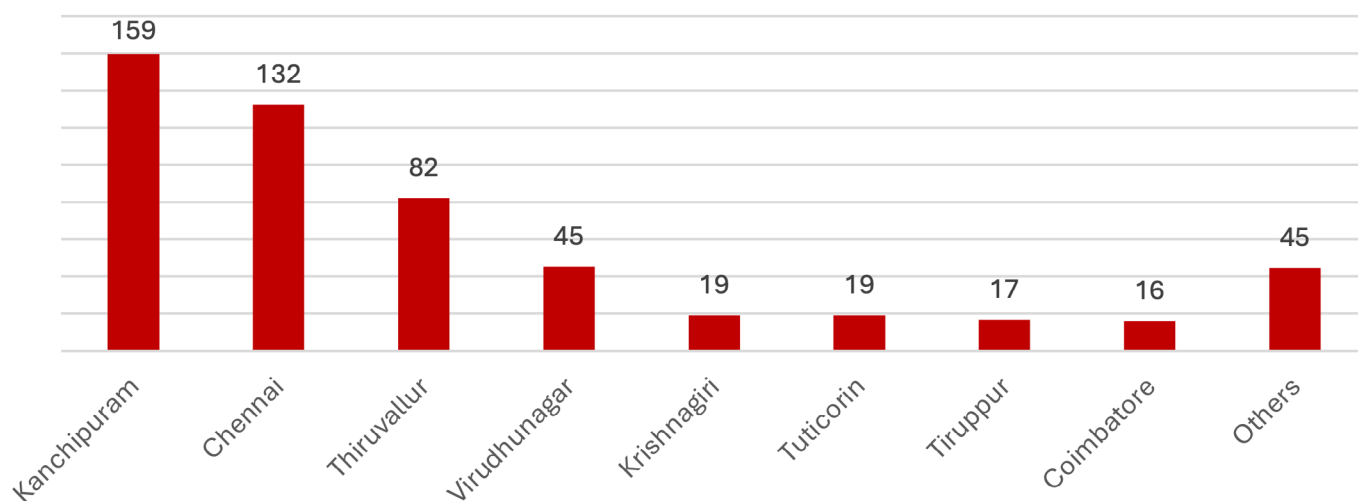
HS code	Product description	Value of Exports (US\$ Mn)
63053200	Flexible intermediate bulk containers	52.8
39173100	Flexible tubes, pipes and hoses, and fittings therefor, of plastics, burst pressure >= 27,6 MPa	37.2
39269099	Articles of plastics and articles of other materials of heading 3901 to 3914, n.e.s	36.6
85365020	Switches for a voltage <= 1.000 V, Other switches of plastic	36.2
67030010	Human hair, dressed, thinned, bleached or otherwise worked	32.3
96032100	Toothbrushes, incl. dental-plate brushes	28.8
39269069	Articles of plastics and articles of other materials of heading 3901 to 3914, n.e.s: Other	21.3
39022000	Polyisobutylene, in primary forms	20.8
39232100	Sacks and bags of polymers of ethylene	17.1
39219096	Plates, sheets, film, foil and strip, of plastics, reinforced, laminated, supported: Flexible, laminated	16.2

**Source:** DGCIS, Plexconcil Research

### DISTRICT WISE PLASTIC EXPORTS

During 2023-24, Kanchipuram, Chennai, Tiruvallur were the three major exporting districts of Tamil Nadu.

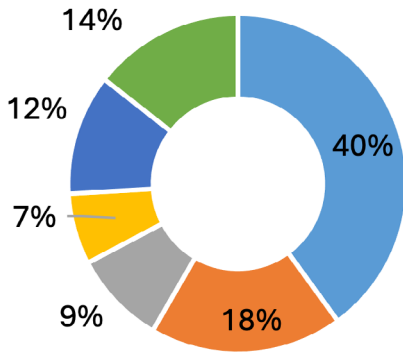
#### TOP EXPORTING DISTRICTS IN TAMIL NADU (USD MILLION)



**Source:** DGCIS 2023-24, Plexconcil Research

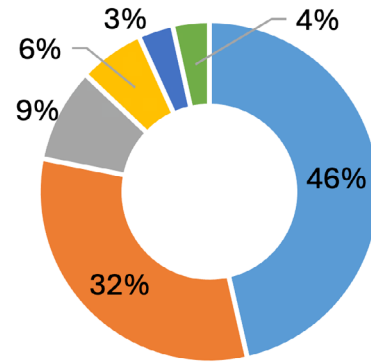
**KEY DISTRICTS LEADING THE EXPORT OF VALUE-ADDED PLASTIC (INCLUDING HUMAN HAIR) AND PLASTICS RAW MATERIALS FROM TAMIL NADU**

**Top Districts Exporting Valued Added Plastics**



- Kanchipuram
- Chennai
- Thiruvallur
- Virudhunagar
- Tuticorin
- Others

**Top Districts Exporting Plastics Raw Materials**



- Chennai
- Kanchipuram
- Cuddalore
- Thiruvallur
- Coimbatore
- Others

**Source:** DGCIS 23-24, Plexconcil Research

**BOOSTING TAMIL NADU'S EXPORT SECTOR**

Tamil Nadu is strengthening its position as a leading export hub by advancing port infrastructure, fostering industrial corridors, and promoting high-value manufacturing in sectors such as automobiles, textiles & apparel, electronics, leather goods, and marine products. The state is actively supporting MSMEs through financial incentives, export promotion schemes, and capacity-building programs, while leveraging its extensive coastline and strong connectivity to global markets. These efforts aim to:

**Creating Employment Opportunities:**

The growth of exports generates direct and indirect jobs across industries, including manufacturing, logistics, and services, thus uplifting communities and improving livelihoods'.

**Driving Industrial Development and Technological Innovation:**

Export growth promotes industrial expansion and incentivizes businesses to adopt advanced technologies, improving productivity, competitiveness, and sustainability.

**PLEXCONCIL OFFICE FOR TAMIL NADU**

PLEXCONCIL has **290+ members** from the state of **Tamil Nadu**. It maintains an **office in Chennai** to cater to the members based in Tamil Nadu.

**THE PLASTICS EXPORT PROMOTION COUNCIL**

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# IMPACT ANALYSIS ON PLASTICS SECTOR

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## INDIA - UK CETA

Strategic Impact on India's Plastic Export to the UK

Panel-wise Strategic Impact on India's Plastic Export Sector (Top 6 panels)

Top Imported Plastic Items in the UK Market

Way Forward – Strategic Roadmap for Indian Exporters



### STRATEGIC IMPACT ON INDIA'S PLASTIC EXPORT TO THE UK

- 🕒 India's exports to the United Kingdom increased from USD 445 million in 2023-24 to USD 509 million in 2024-25, registering a **robust growth of 14.4%**. This positive trend reflects the growing trade synergy between the two nations, further strengthened by the India-UK (ECTA).
- 🕒 UK's plastic imports market is valued at USD 33 Billion annually.
- 🕒 With the implementation of the India - UK Comprehensive Economic and Trade Agreement (CETA), **all tariff lines relevant to the sector will now attract 0% import duty**, offering full duty-free access.
- 🕒 The **elimination of import duties under CETA** is expected to significantly **enhance India's export competitiveness** in the UK market, **unlocking new growth opportunities** and strengthening bilateral trade ties.

- 🕒 India's plastics exports to the UK are projected to reach approximately **USD 800 million by 2027-28**.
- 🕒 UK is already India's 5th largest export destination, and the new trade deal is poised to significantly accelerate growth potentially increasing **India's export CAGR** from the current **7.5% to 12% over the next three years**.
- 🕒 Gaining **5% of China's market share** could unlock an additional **USD 350 million in export value for India**, highlighting a strong opportunity for expansion and deeper trade engagement.
- 🕒 China faces UK tariffs ranging from 0-8%, giving **India a competitive edge under CETA**.



**PANEL-WISE STRATEGIC IMPACT ON INDIA'S PLASTIC EXPORT SECTOR**

**CONSUMER & HOUSEWARE PRODUCTS**



India ranks **9th** in UK's imports of this product, with its share rising from 0.9% to 1.7%



India's exports to UK ranged between **USD 95 - 115 Mn** in last 4 years.



**Key products** include handbags, plastic tableware & kitchenware, plastic toys and electrical plugs.



UK's imports **USD 9.3 Bn** worth of these products annually from world. **Major Suppliers** are China (52.4%), Italy (5.0%) & Czech Republic (4.2%)

India's export potential is **USD 1.5 Bn**



**Competitor Tariffs:**

- China (0% - 8%)
- Italy (0%)
- Czech Republic (0%)

India's export potential in top 5 products to the UK				
Product description (HS Code)	UK's import from India	UK's import from world	India's export to world	Export potential for India
Handbags (420222)	49.6	505.7	527.4	456.1
Switches (853650)	6.7	653.3	231.2	224.5
Tableware, kitchenware of plastics (392410)	15.7	408.8	171.7	156
Toys of plastics (950300)	16.2	2,935.5	169.4	153.2
Toothbrushes (960321)	2.5	131.8	75.7	73.2

- 🔴 Tariffs cut from up to 6% to 0% gives India's Consumer & Houseware sector a sharp price edge in the UK, enhancing competitiveness vs. EU and Asian suppliers.
- 🔴 Fast-growing segment for India — market share has doubled in the UK since 2020.
- 🔴 India now well-positioned to gain share from China, Vietnam, and the USA with 0% duty advantage.

**PANEL-WISE STRATEGIC IMPACT ON INDIA'S PLASTIC EXPORT SECTOR**

**PLASTIC FILMS AND SHEETS**



India ranks **11th** in UK's imports of this product, with its share rising from 1.7% to 3%.



India's exports to UK ranged between **USD 77 - 96 Mn** in the last 4 years.



**Key products** include Films & sheets of ethylene polymers, Plates & sheets of ethylene polymers.



**UK's imports USD 4.3 Bn** worth of these products annually from world. **Major Suppliers** are Germany (20.8%), USA (9.4%) & Italy (7.6%)

India's export potential is **USD 1.6 Bn**



**Competitor Tariffs:**

Germany (0%)  
USA (0% - 6%)  
Italy (0%)

India's export potential in top 5 products to the UK				
Product description (HS Code)	UK's import from India	UK's import from world	India's export to world	Export potential for India
Films & sheets of polymers of propylene (392020)	18.5	440.9	401.4	382.8
Films & sheets of plastics (392190)	10.0	710.3	362.9	352.9
Films & sheets polyethylene terephthalate (392062)	9.8	282.4	389.0	272.6
Films & sheets of non-cellular polymers of ethylene (392010)	25.7	747.6	189.3	163.7
Self-adhesive plates, sheets, film of plastics (391990)	5.0	478.1	154.4	149.4

- With customs duty reduced from up to 6% to 0%, India's Plastic Films & Sheets sector gains a strong price advantage in the UK market.
- This reduction will enhance India's competitiveness vis-à-vis EU and Asian suppliers, creating new opportunities in value-added and specialty films.
- Fast-growing segment for India — exports have doubled in 5 years.

**PANEL-WISE STRATEGIC IMPACT ON INDIA’S PLASTIC EXPORT SECTOR**

**PACKAGING ITEMS – RIGID; FLEXIBLE**



India ranks **13th** in UK’s imports of this product, with its share rising from 1.7% to 2.1%.



India’s exports to UK ranged between **USD 50 - 55 Mn in last 4 years.**



**Key products** include Sacks & bags of polyethylene & Articles for the conveyance or packaging of goods.



**UK’s imports USD 2.2 Bn** worth of these products annually from world.  
**Major suppliers** are Germany (17.4%), China (16.4%) & Türkiye (7.7%)

India’s export potential is **USD 626 Mn**



**Competitor Tariffs:**

- Germany (0%)
- China (6%)
- Türkiye (0%)

India’s export potential in top 5 products to the UK				
Product description (HS Code)	UK’s import from India	UK’s import from world	India’s export to world	Export potential for India
Sacks bags of polyethylene (392321)	21.9	698.4	218.5	196.7
Articles of conveyance, packaging of goods (392390)	19.2	311.8	211.4	192.2
Stoppers, lids, caps of plastics (392350)	2.6	392.0	111.9	109.3
Carboys, bottles and flasks (392330)	1.3	405.6	65.6	64.2
Boxes, cases or packaging of goods of plastics (392310)	6.2	465.0	61.2	55.0

- 🔴 With tariffs reduced from up to 6% to 0%, India’s Packaging sector – both Rigid and Flexible – now enjoys a strong price advantage in the UK market.
- 🔴 This will significantly enhance India’s competitiveness against EU and Asian suppliers, unlocking new export potential in value-added packaging solutions.

**PANEL-WISE STRATEGIC IMPACT ON INDIA'S PLASTIC EXPORT SECTOR**

**FLOORCOVERINGS, LAMINATES & LEATHERCLOTH**



India ranks **18th** in UK's imports of this product, with its share ranging between 0.6% - 0.8%



India's exports to UK ranged between **USD 25 - 33 Mn** in last 4 years.



**Key products** include Decorative laminates & Floor coverings of PVC.



**UK's imports USD 933 Mn** worth of these products annually from world. **Major suppliers** are China (39.4%), Belgium (10.5%) & Germany (7.5%)

India's export potential is **USD 347 Mn**



**Competitor Tariffs:**

- China (6% - 8%)
- Belgium (0%)
- Germany (0%)

India's export potential in top 5 products to the UK				
Product description (HS Code)	UK's import from India	UK's import from world	India's export to world	Export potential for India
Floor coverings of PVC (391810)	1.4	491.6	124.0	122.6
Decorative laminates (482390)	29.0	135.6	521.4	106.6
Textile fabrics laminated with plastics (590390)	0.1	66.4	222.9	66.3
Textile fabrics laminated with PVC (590310)	1.9	39.2	75.1	37.2
Textile fabric covered with polyurethane (590320)	0.0	63.5	8.5	8.5

- 🔴 Tariffs reduced from up to 8% to 0%, India's Floorcoverings, Laminates & Leathercloth sector gains a strong price advantage in the UK market.
- 🔴 The tariff elimination enhances India's competitiveness against EU and Asian suppliers, paving the way for growth in value-added and design-driven products.
- 🔴 India-UK CETA provides an opportunity to improve ranking and gain market share from countries still facing duties.

**PANEL-WISE STRATEGIC IMPACT ON INDIA'S PLASTIC EXPORT SECTOR**

**FIBC, WOVEN SACKS, WOVEN FABRICS AND TARPAULIN**



India ranks **2nd** in UK's imports of this product, with its share rising from 14.8% to 15.1%



India's exports to UK ranged between **USD 90 - 125 Mn** in last 4 years.



**Key products** include Flexible intermediate bulk containers & sacks and bags of plastics.



**UK's imports USD 648 Mn** worth of these products annually from world. **Major suppliers** are China (26.2%), India (15.1%) & Türkiye (7.0%)

India's export potential is **USD 385 Mn**



**Competitor Tariffs:**

- China (6% - 12%)
- Türkiye (0%)
- Germany (0%)

India's export potential in top 5 products to the UK				
Product description (HS Code)	UK's import from India	UK's import from world	India's export to world	Export potential for India
Sacks and bags of plastics (392329)	17.3	328.1	468.0	310.8
Woven fabrics of strip (540720)	3.9	31.6	132.3	27.7
Flexible intermediate bulk containers (630532)	65.4	89.5	885.9	24.1
Sacks & bags of polyethylene or polypropylene (630533)	4.5	26.5	21.8	17.3
Tarpaulins of synthetic fibres (630612)	0.1	52.2	5.5	5.4

- 🔴 With tariff cut from 6% to 0%, India's FIBC, Woven Sacks, Fabrics & Tarpaulin sector gains a strong price edge in the UK.
- 🔴 Boosts India's competitiveness vs. EU & Asian suppliers, unlocking fresh export opportunities.
- 🔴 CETA offers India a springboard to close the gap with China and expand market share further.

**PANEL-WISE STRATEGIC IMPACT ON INDIA'S PLASTIC EXPORT SECTOR**

**MASTERBATCHES**



**India ranks 4th** in UK's imports of this product, with its share rising from 8% to 9.2%



India's exports to UK ranged between **USD 25 - 34 Mn in last 4 years.**



**Key products** include Synthetic organic colouring & Synthetic organic pigments.



**UK's imports USD 371 Mn** worth of these products annually from world. **Major suppliers** are Germany (18.4%), China (15.5) & USA (12.6%)

India's export potential is **USD 249 Mn**



**Competitor Tariffs:**

Germany (0%)  
China (0% - 6%)  
USA (0% - 6%)

India's export potential in top 5 products to the UK				
Product description (HS Code)	UK's import from India	UK's import from world	India's export to world	Export potential for India
Synthetic organic pigments (320417)	12.0	105.1	831.2	93.1
Inorganic or mineral colouring matter (320649)	0.1	61.4	68.7	61.3
Pigments based on titanium dioxide (320619)	0.0	39.3	84.2	39.3
Pigments based on titanium dioxide (320611)	0.0	125.6	27.7	27.7
Synthetic organic colouring matter (320419)	12.7	34.3	298.4	21.6

🔴 With tariff reduced from up to 6% to 0%, India's Masterbatches sector gains a strong price edge in the UK, enhancing competitiveness and export potential.

🔴 India now competes more effectively with top suppliers like China, and the USA - who still face tariffs of up to 6%.

**TOP IMPORTED PLASTIC ITEMS IN THE UK MARKET**

HS Code	Product description	India's exports to UK	Projected export FY28	MFN	CETA
		(USD Mn)		%	
630532	Flexible intermediate bulk containers	65.4	73.2	6	0
900110	Optical fibres, optical fibre bundles and cables	60.4	67.6	2	0
420222	Handbags	49.6	55.6	4	0
392690	Articles of plastics and articles of other materials	30.9	34.6	5	0
482390	Decorative Laminates	29	31.2	0	0
392010	Plates, sheets, film of non-cellular polymers of ethylene,	25.7	28.8	5	0
392321	Sacks and bags, incl. cones, of polymers of ethylene	21.9	24.5	6	0

- India's top exports to the UK include FIBC, packaging, films, sheets, and handbags — reflecting a strong market footprint.
- India-UK CETA removes MFN tariffs on key products like bulk containers, PE sacks, handbags & plastic films — enabling Indian exporters to compete fairly and scale volumes.
- Note: All projections are based on 12% CAGR growth assumption; except for Decorative Laminates where growth is expected to be same as the existing growth rate of 6.5% as the duty remains the same.

**WAY FORWARD – STRATEGIC ROADMAP FOR INDIAN EXPORTERS**

While the UK has eliminated customs duties on Indian imports, exporters are encouraged to proactively ensure compliance with key non-tariff measures such as packaging standards, Plastic Packaging Tax requirements, product testing, labelling norms, environmental regulations, and food safety standards to enhance market acceptance and long-term competitiveness.

**Plexconcil is organizing the India Pavilion at Interplas** - the UK's leading plastics exhibition and conference, taking place from 2nd to 4th June 2026 in Birmingham, UK. This platform will showcase India's strong plastics manufacturing capabilities to key stakeholders in the UK plastics industry.

**Plexconcil is organizing a Reverse Buyer Seller Meet (RBSM), aligned with PlastIndia 2026**, scheduled from February 5-10, 2026. As part of this initiative, Plexconcil will invite leading importers from the UK to explore sourcing opportunities and connect with quality Indian manufacturers of plastic products.

**Plexconcil to conduct focused cluster outreach programs** to raise awareness about the India-UK Comprehensive Economic and Trade Agreement (CETA) and its benefits for Indian exporters.



The plastics industry is evolving at a rapid clip. Driven by advancements in sustainability, automation, and material science. With an increasing demand for environment friendly productions, newer technology and innovations are reshaping how plastics are designed, produced, and utilized. Whether it is bio-degradable & recycled plastics, or smart data driven manufacturing or more and more stringent compliance requirements, or advancements in polymer chemistry, the industry is going through a process of transformation.

Here are a few of the cutting edge global trends and innovation that is shaping the future of the Plastics Industry.

## PLASTIC COMPOSITES AT THE CORE OF EV BATTERY SAFETY

Source: *Plastics Today*

1

Plastics play a key role in EV safety, in particular in preventing thermal runaway incidents. Further, EV safety is becoming increasingly important as EVs account for an increasingly higher proportion of the on-the-road vehicle fleet, although the majority of data does indicate that EV fires are less common than fires in combustion engine vehicles.

Ensuring safe operation of the electric vehicle (EV) battery, both under normal driving conditions and if accidents happen to occur, is an issue of paramount importance for automakers.

In this respect, plastics play a key role in EV safety, in particular in preventing thermal runaway incidents. Further, EV safety is becoming increasingly important as EVs account for an increasingly higher proportion of the on-the-road vehicle fleet, although the majority of data does indicate that EV fires are less common than fires in combustion engine vehicles.

### MULTIFUNCTIONAL MATERIALS INCREASING IN POPULARITY

Plastics compete with a variety of other fire-protection materials to prevent thermal runaway in batteries and, in many cases, meeting the structural requirements of the UL 2596 test. The specialized test standard was developed for evaluating the thermal and mechanical performance of battery enclosure materials, particularly in EV applications. The primary goal of the UL 2596 test is to ensure that

materials can withstand the extreme conditions associated with battery thermal runaway events, such as high temperatures, mechanical abrasion, and pressure.

Due to increased density requirements, material suppliers are generally trying to produce materials that perform multiple functions and can prevent the need for multiple assembly steps. An increasingly popular option: Composite plastic components with fire protective and/or intumescent properties that can be molded into structural components of modules and cell holders.

### COMPOSITE TO THE FORE

Case in point: Engineering plastics supplier Sabic has prototyped a battery module box made from its Stamax 30YH570 long-glass-fiber polypropylene (PP) resin with an intercellular thickness as thin as 1 mm that has the potential to prevent thermal runaway propagation in 18650 cylindrical cells. The Stamax grade reportedly provides the necessary thermal insulation and flame resistance to reduce the chances of cell-to-cell propagation in a thermal runaway scenario and, thus, mitigate the risks of a catastrophic safety incident. This material in combination with compressible foams also has shown promising results in containing thermal runaway propagation in prismatic and pouch cells.



Another supplier of thermoplastic composites to address thermal runaway concerns is Canadian company Pyrophobic Systems. The company's LithiumPrevent proprietary intumescent polymer technology is injection molded or extruded to form fire-resistant battery pack components. Above a specified temperature, an intumescent material undergoes an endothermic reaction causing it to expand and form a structured, porous char layer, protecting neighboring materials/components until the fire subsides.

### FIRE-PROOF BATTERY ENCLOSURES

The role of plastics in fire prevention can extend to the outermost components of the EV battery, including the battery enclosure itself. As EV production ramps up, automakers are looking to replace steel and aluminum with more cost-effective materials that are more readily scalable in terms of unit production. One such example is a joint solution developed by Mitsubishi Chemical and engineering services provider EDAG Group based on both thermoset and thermoplastic composites. Quick-cure thermoset resins were deployed to enable efficient compression molding, while hybrid and one-shot co-molding of thermoplastic resins boasting short cycle times was also adopted.



The top cover of the battery enclosure was molded using a flame-retardant fiber-reinforced thermoplastic composite capable of withstanding critical thermal events. The flame retardancy of the material has been successfully UL 2596 tested. The bottom tray is a hybrid design that combines, in a single compression molding step, carbon fiber FMC (forged molding compound) for the side walls, and glass/carbon-fiber thermoset prepreg sandwich construction using a lightweight core for the bottom plate.

## THERMOSETTING RESIN: Plugging Abandoned Oil Wells

Source: *Plastics Engineering*

2

Researchers are assessing a novel resin for plugging unused oil wells as an alternative to cement. Oil wells go through the plug and abandonment (P&A) process when no longer in use. This prevents hazardous fluids from entering groundwater, soil, the marine environment, or the atmosphere. The P&A process can be costly and time-consuming, contributing up to 25% of the total offshore exploration well drilling cost.

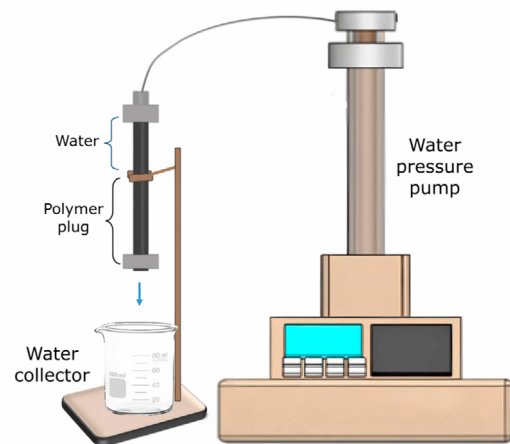
Typically, workers plug P&A wells using cement, but it has drawbacks. The harsh conditions inside wells can lead to cement failure, resulting in possible environmental contamination. The cement slurry particles prevent penetration into small voids and cracks when repairing leakage paths. Researchers developed a safe, sustainable, thermally stable liquid resin for oil well P&A in search of a solution.

### TESTING AT LAB-SCALE

To create the resin, researchers mixed functionalized poly(vinylidene fluoride) (PVDF) with pentaerythritol tetraacrylate (PETA) with a 1.1:3 ratio. The mixture also contained potassium persulfate indicator and HDK H2000. Researchers cross-lined the resin in both a cuboid mold and a steel tube. The tube mimicked well geometry to simulate the well plug at laboratory scale.

Once an oil well is no longer productive, it must be sealed off to prevent the release of harmful substances into the environment.

The resin plugs containing 0.5 and 1 wt.% initiators withstood atmospheric water pressure for up to 30 days. The 10 wt.% initiator sample could not withstand atmospheric water pressure due to its less uniform structure. The solid polymer exhibited thermal stability beyond 90 °C, the temperature in the chosen downhole conditions. Researchers evaluated the polymer plug's water pressure resistance using a water pressure pump. Courtesy of Thermosetting Resin for Plug and Abandonment of Oil Wells with Reduced Environmental Impact.



### FILLING THE HOLES IN CURRENT TECHNOLOGIES

Results of the study showed that samples with 0.5 wt.% potassium persulfate performed the best. The material demonstrated improved morphology, enhanced thermal stability, and reduced environmental impact. Well P&A occurs in the field, rather than beforehand in the lab. Thus, in this study, it was crucial that workers would be able to mix the material on an offshore platform. Researchers concluded that this would be possible due to the resin's setting time. The reaction time at room temperature was 20 hours, but only 5 minutes at 90 °C. After 24 hours, a homogenous, stiff material had formed.

This study showed a proof-of-concept of the material as an alternative to cement. Future research will demand the investigation of larger-scale feasibility, as well as cost-effectiveness. Nevertheless, this material showed good performance, with thermal stability up to 190 °C and good adherence to the steel casing. The solid resin also had a higher compressive strength than API class-G cement, commonly used for P&A.

In this early design phase, results showed a better solution compared to current P&A technologies in terms of environmental impact. Long-term effects will need to be a subject of larger scale, future.

## THE BRIDGE BETWEEN: Polymers and Quantum Mechanics

Source: *Plastics Engineering*

3

Quantum polymers combine the power of quantum mechanics with the versatility of polymers. Quantum polymers are materials that combine quantum mechanics with polymer structures. These materials utilize quantum effects, such as wave-particle duality, superposition, and tunneling, to acquire unique properties that traditional polymer chemistry cannot offer. They have a wide range of applications in fields such as electronics, energy storage, biomedical technologies, and quantum computing.

### TYPES OF QUANTUM POLYMERS

Researchers classify quantum polymers into several types based on their composition and function:

#### Quantum Dot-Polymer Composites

Quantum dot-polymer composites combine semiconductor quantum dots with polymer matrices. These materials have adjustable optical properties that depend on the size of the quantum dots and the quantum confinement effect.

The polymer matrix helps stabilize the quantum dots, enhancing their processability and making them suitable for flexible and large-surface-area applications.

#### Electro-Optic Polymers (EOPs)

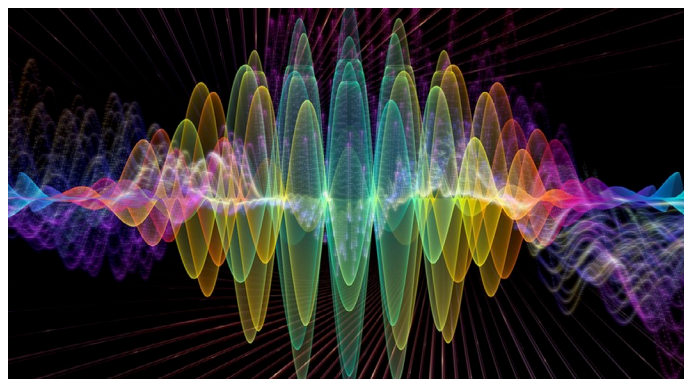
Electro-optic polymers (EOPs) exhibit high electro-optic coefficients and low optical loss, making them ideal for photonic applications. Their ability to modulate light intensity and phase allows their use in optical switches and modulators. A key advantage of EOPs is their compatibility with silicon photonics.

This is crucial for integrating photonic and electronic components. Recent developments in the Perkinamine series of EOPs highlight their potential for controlling quantum states. Such control is crucial for quantum information processing and communication systems.

#### Carbonized Polymer Dots (CPDs)

Carbonized polymer dots (CPDs) are a new class of carbon-based quantum dots. They have a polymer-like surface and a carbon-core structure. CPDs exhibit strong photoluminescence and emission spectra. These properties make them ideal for imaging and sensing applications. Compared to traditional semiconductor quantum dots, CPDs are less toxic and more biocompatible.

This makes them useful in biomedical fields, such as targeted drug delivery and fluorescent labeling for medical diagnostics.



### NOVEL APPLICATIONS

Quantum polymers have unique properties that make them valuable in many fields. In quantum computing, electro-optic polymers control photon properties at low temperatures. This is crucial for developing new quantum technologies. Quantum dot-polymer composites are key in sensors and biosensors. They enable precise biochemical and environmental monitoring through sensitive detection systems. Himadri et al. studied polymer composites with quantum dots as potential electrode materials for supercapacitors.

These polymers are also crucial in optoelectronic devices. Their optical properties make them perfect for high-performance LEDs, photodetectors, and solar cells. In biomedical imaging, quantum dot-silica hybrids and polymer-coated quantum dots improve in vivo imaging and cellular labeling. This boosts the effectiveness of medical diagnostics.

Quantum polymer composites are perfect for energy storage due to their high energy density and capacitance. These features make them great candidates for supercapacitors and batteries.

Polymer-coated quantum dots are also ideal for targeted drug delivery thanks to their excellent biocompatibility.

Finally, these polymers improve display technologies by boosting resolution and increasing energy efficiency.

They also play a crucial role in environmental monitoring. Quantum polymer-based sensors offer high accuracy in detecting pollutants and measuring water quality.

### CHALLENGES AND FUTURE DIRECTIONS

Quantum polymers have great potential, but they face several challenges. First, ensuring their long-term stability in different environments is crucial. Scaling up production without losing their unique properties is also difficult and requires innovation. Another challenge is balancing mechanical, optical, and electrical properties in real-world conditions, which needs more research. There are also safety and regulatory concerns, as some of these materials may contain toxic components and must meet strict standards. Finally, adapting existing manufacturing processes to make them suitable for these polymers will require significant investment.

## CHEMICAL RECYCLING: Breaking Down Plastics at the Molecular Level

*Source: Waste Managed*

4

One promising innovation in plastic recycling is chemical recycling, a process that involves breaking down plastic waste into its molecular components.

Unlike traditional mechanical recycling, which limits plastic recycling to a few specific types, chemical recycling has the potential to transform a broader range of plastic waste, including mixed plastics and contaminated materials. Technologies like depolymerisation, pyrolysis, and gasification are gaining traction in chemical recycling.

Depolymerisation breaks down plastic polymers into their monomer units, which can then be used to produce new plastic products.

Pyrolysis and gasification involve heating plastics in the absence of oxygen, and converting them into fuel or feedstock for various industries, including energy production and chemical manufacturing. In addition to recycling and repurposing, innovative technologies are emerging to tackle plastic pollution directly at its source.



**Pyrolysis Plant**



**Depolymerisation Machine**

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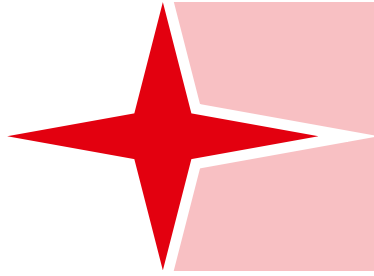
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## INDIA IMPOSES ANTI-DUMPING DUTY

### On Plastic Machines From China, Taiwan

Source: *Business Standard*

The Central Government announced **anti-dumping duties on plastic processing machinery** imported from **China and Taiwan**, ranging between **27 to 63 per cent**. The move aims to safeguard the domestic manufacturing sector from unfair trade practices.

The decision follows a detailed investigation by the **Directorate General of Trade Remedies (DGTR)**, which concluded that plastic processing machines from these two regions were being dumped in the Indian market, meaning they were sold at prices significantly lower than their normal value in the exporting countries. This practice was found to be causing “material injury to the domestic industry”.

The affected machinery falls under tariff codes 8477 10 00 and 8477 90 00 of the Customs Tariff Act, 1975, which typically cover injection moulding machines and other equipment used in the production of plastic goods.

The DGTR’s final findings, issued on March 27, 2025, establish these **three conclusions**:

- 🔴 Machinery from China and Taiwan had been exported at unfairly low (dumped) prices.
- 🔴 The domestic plastic machinery industry suffered significant damage as a result.
- 🔴 The injury was directly caused by these dumped imports.

Following these findings, the Department of Revenue issued a notification, dated June 26, enforcing the recommended duties. These duties are calculated as a percentage of the CIF (Cost, Insurance, and Freight) value of the imported goods—a method that includes the cost of the goods, shipping, and insurance.



## INDIA'S PLASTIC PIPES INDUSTRY SET FOR GROWTH

### May Hit Rs 80,500 Crore by FY27

Source: *Zee Business*

India’s plastic pipes industry is poised for accelerated expansion, with a projected **compound annual growth rate (CAGR) of 14% over FY24-FY27**, according to a recent report by Motilal Oswal Financial Services Ltd.

The market is expected to scale up from Rs 54,100 crore in FY24 to an estimated Rs 80,500 crore by FY27, driven by strong demand across housing, irrigation, water supply, and sanitation sectors.

The report highlights replacement demand as a significant growth catalyst. The durability and affordability of plastic pipes, which constitute just 2-3% of total building costs, have further boosted their uptake.

Historically, plastic pipe manufacturers have seen robust performance during real estate rebounds. In FY24, sales rose 1.8x over FY20, reaffirming the sector’s responsiveness to housing cycles. Notably, plumbing and irrigation

segments contributed 84% to the industry’s applications in FY14–24, with CPVC, HDPE, UPVC, and PPR pipes witnessing strong growth.

Public infrastructure schemes such as the **Jal Jeevan Mission (with a Rs 67,000 crore outlay)**, PM Krishi Sinchayee Yojana (PMKSY), and smart city initiatives are also driving demand. The report emphasizes the **untapped potential in rural irrigation**—around 52% of India’s cultivated land still lacks proper irrigation—presenting a significant opportunity for PVC pipe deployment.

**Urban infrastructure and energy distribution** are also undergoing transformation, led by high-performance polymer pipes. HDPE, MDPE, and PEX pipes are gaining traction in city gas distribution (CGD) due to their flexibility, cost-effectiveness, and corrosion resistance.

With the government aiming for 70% CGD coverage by 2030 and an increase in the gas share in India’s energy mix from 6.7% to 15%, this segment is set to expand rapidly.

Technological advancements are also redefining applications. CPVC pipes are enabling efficient hot and cold water systems, OPVC is replacing ductile iron pipes in sewage networks, and HDPE pipes are playing a key role in micro-irrigation and urban projects. These developments are expected to widen market opportunities and ensure long-term growth.

The housing sector remains a core driver, with strong launch pipelines and recurring replacement needs ensuring sustained demand for plastic piping solutions, the report concludes.



## ↑ FSSAI GRANTS AUTHORISATION TO ADDITIONAL R-PET UNITS TO BOOST CAPACITY

*Source: Hindu Business Line*

The Food Safety and Standards Authority of India has granted authorisation to six additional recycled polyethylene terephthalate (r-PET) manufacturing units.

The Association of PET Recyclers (APR) Bharat on Monday said that post this development, the combined FSSAI authorised capacity stands at 1.5 lakh mt per annum of r-PET to meet the demand for food-contact packaging from branded beverage manufacturers.

The industry body added that similar capacity levels are awaiting approvals from FSSAI and hoped will be granted authorisation soon.

As of May, only five out of 20 rPET manufacturing units had got certification from FSSAI. Last month, the industry body had raised concerns that any further delay in granting of authorisations by FSSAI, to the factories set up by recycled PET manufacturers.

It is critical that production commences at these plants to ensure an adequate supply of r-PET in the market. It will enable beverage manufacturers to meet the regulatory guideline which mandates for 30 per cent recycled food-grade plastic content in PET packaging bottles, the industry body added.

So far, the industry players have set up a total capacity of approx. 4 lakh mt at an estimated investment of Rs. 7,500-8,000 crore to produce r-PET for generating food-contact packaging material, the industry body claimed.

“Following recent concerns expressed by us, the CEO and other senior officials of FSSAI have taken very swift and commendable action. Authorisations for six units have already been issued, and we have been assured that approvals for the remaining units are also likely to come through shortly,” said Shailendra Singh, Director General, APR Bharat.

## BUSINESS POWERED BY THE CIRCULAR ECONOMY

### Startups Are Turning Recycled Waste Into Useful Products

*Source: Hindu Business Line*

A new category of products have arrived in the market, but few have noticed them. These are solutions thrown up by the circular economy. Leading the charge in developing them are several startups, which are innovating ways to strengthen our nascent recycling system.

Some patented and others awaiting patents, these products have the potential to help us throw away less, use stuff for longer, and lessen the load on burgeoning landfills — be it plastic waste, agri waste, or e-waste.

Bengaluru-based Victoria Joslin D’Souza, co-founder and Managing Director of Swachha Eco Solutions, has developed two innovative products — **Re-Tile and Re-Polymix** — **derived from multi-layered plastic (MLP)**, which finds no takers and is the most difficult to collect.

Partnering with the Bruhat Bengaluru Mahanagara Palike Dry Waste Collection Centre at Attur, she has turned waste plastic into tiles, which she has christened ‘Re-Tile’. D’Souza explains that it takes 15 disposable containers, or 150 polythene bags or disposable spoons, or 10-15 cosmetic bottles to make one piece of these interlocking tiles.

The product awaits a patent, but several designers and architects in Bengaluru are using them, she says. The tiles have resistance up to 150 degrees Celsius, are **fire-retardant, anti-slip, and can bear heavy loads.**

Re-Polymix, again, is made from recycled plastic and is used in building roads. **Mixed with asphalt, it is said to enhance road performance and durability**, as validated by the highway technology institute Resource Centre for Asphalt and Soil Training Academy (Rasta) and the Central Institute of Petrochemicals Engineering & Technology (CIPET). According to D’Souza, the environmental impact

of Re-Polymix per 1,000 tonnes of asphalt includes plastic diversion of 3- 10 tonnes, saving of 60-100 tonnes of virgin bitumen, saving of 1.8 tonnes of carbon dioxide, and energy saving of up to 60 per cent when compared to virgin plastic production.

**ASH TO NEW LIFE**

While plastic waste and recycled plastic granules show great potential for being transformed into useful products, agricultural waste is not far behind. **Startups Brisil and Cancrie**, which received grants recently from venture philanthropy platform ACT, **transform agri waste into innovative patented green products.**

Brisil, the brainchild of Tanmay Pandya, **produces bio-silica from rice husk and rice straw ash.** Companies that generate energy from rice husk struggle to dispose of the ash waste, which is typically dumped on an open ground or at a landfill. But IITian Pandya, whose unit is based in Vadodara, uses his patented chemical technology to produce bio-silica, which finds extensive use in several manufacturing industries including tyres, footwear, toothpaste, and pharmaceuticals. "In India around 30 lakh tonnes of husk ash is generated annually," estimates Pandya, whose venture is currently consuming 10,000 tonnes and targets 50,000 tonnes by 2027.



Brisil's bio-silica can additionally help prevent the indiscriminate mining of riverbeds for silica by the sand mafia. Jaipur-based Cancrie, co-founded by Dr Akshay Jain and Mahi Singh, uses coconut shells, kernels, sugarcane bagasse, and even hair waste to produce high-value nano-carbons, which find use in lead acid and lithium ion batteries, and capacitors.

"Using an energy-efficient patented process, Cancrie **transforms waste into nano-carbons** optimised for five key parameters: surface area, pore volume, structure, conductivity, and functionality," explains CEO Jain.

These improvements result in enhanced electrolyte flow and higher battery performance, thereby reducing the frequency of battery replacement and lowering the demand for valuable mined resources such as lithium, cobalt, and nickel. "Cancrie's high-purity nano-materials are produced through an energy-efficient process," says COO Singh. Currently, field trials and some pilot projects are on to take forward the company's circular economy mission.



**Nano-carbons produced by Cancrie from coconut shells, kernels, sugarcane bagasse, and hair waste**

## INTERNATIONAL EXHIBITIONS

Sr. No.	Event Name	Date	Month	Year	City	Country
1	Cambo Plas Print Pack	13-16	August	2025	Phnom Penh	Cambodia
2	Propak Indonesia 2025	27-29	August	2025	Jakarta	Indonesia
3	4th Pha World Congress - 2025 (Hybrid)	03-04	September	2025	Dusseldorf	Germany
4	Propak West Africa 2025	09-11	September	2025	Lagos	Nigeria
5	Vietnam Print Pack	10-13	September	2025	Ho Chi Minh City	Vietnam
6	PRS Middle East & Africa 2025	15-17	September	2025	Dubai	UAE
7	Vietnam Plas 2025	17-20	September	2025	Ho Chi Minh City	Vietnam
8	Plastex Uzbekistan	23-25	September	2025	Tashkent	Uzbekistan
9	Powtech 2025	23-25	September	2025	Nuremberg	Germany
10	K-2025	08-15	October	2025	Dusseldorf	Germany
11	Bioplastics Business Breakfast K'2025 (Hybrid)	09-11	October	2025	Dusseldorf	Germany
12	Expo Cihac	15-17	October	2025	Ciudad De Mexico	Mexico
13	Mexi Mold	22-23	October	2025	Queretaro	Mexico
14	Myanmar Plas Print Pack	16-19	December	2025	Yangon	Myanmar
15	Plastex Egypt	11-16	January	2026	Egypt	Egypt

## ★ WHY BECOME A PLEXCONCIL MEMBER? ★



Established since 1955, the Plastics Export Promotion Council, PLEXCONCIL, is sponsored by the Ministry of Commerce and Industry, Department of Commerce, Government of India. **PLEXCONCIL is a non-profit organization representing exporters from the Indian plastics industry and is engaged in promoting the industry exports.**

The Council is focused on achieving excellence in exports by undertaking various activities and initiatives to promote the industry. The Council undertakes activities such as **participation at international trade fairs, sponsoring delegations to target markets**, inviting foreign business delegations to India, organising buyer-seller meets both in India and the overseas etc.,

The Council also routinely **undertakes research and surveys, organizes the Annual Awards to recognize top performing exporters, monitors the development of new technology** and shares the same with members, facilitates joint ventures and collaboration with foreign companies and trade associations as well as represents the issues and concerns to the relevant Government bodies.

**The Council represents a wide variety of plastics products** including - Plastics Raw Materials, Packaging Materials, Films, Consumer Goods, Writing Instruments, Travel ware, Plastic Sheets, Leather Cloth, Vinyl Floor Coverings, Pipes and Fittings, Water Storage Tanks, Custom made plastic Items from a range of plastic materials including Engineered Plastics, Electrical Accessories, FRP/GRP Products, Sanitary Fittings, Tarpaulins, Laminates, Fishing Lines/Fishnets, Cordage/Ropes/Twines, Laboratory Ware; Eye Ware, Surgical/Medical Disposables.



## MEMBERSHIP BENEFITS

- **Subsidised rates** at International Trade Fairs and Exhibitions
- **Financial benefits to exporters**, as available through Government of India
- Disseminating **trade enquiries/trade leads**
- Instituting **Export Awards** in recognition of outstanding export performance
- **Assistance on export financing** with various institutions and banks
- **Networking opportunities** within the plastics industry
- **Special price** for Dun & Bradstreet's DUNS Registered Solution, Global Profiler, and ESG Report
- **Issuance of Certificate of Origin (COO)** & Export turnover certificate.
- Advocating policy related issues.
- Organizing **Buyer seller meets (BSM)** in targeted markets / Reverse buyer seller meets (RBSM) in India.
- Addressing members' **day-to-day export operation issues with relevant authorities** and striving for resolution.
- **Compiling, analysing plastics export data, and sharing insights with trade members.**
- Any other activity based on the need of the member exporters.

## ★ NEW MEMBERS FOR THE MONTH OF JULY 2025

Sr. No	Name of the Company	Address	City	Pin	State	Email
1	3d Cubic	Babrik Industrial Estate, 39 Opp. Bank Of Baroda, Old Katargam GIDC, A. K. Road,	Surat	395008	Gujarat	3dcubic1@gmail.com
2	3mak Polymer Industries Private Limited	Ground Floor, Lotas Tiles, Near Ruchi Soya Factory Old Umred Road, Near Railway Station	Butibori	441108	Maharashtra	3makhashim@virani.co.in
3	Acrofil Industries Private Limited	C-13, 3rd Floor, Plot No.106 Kakkad Estate Dr. Rg Thadani Marg Worli	Mumbai	400018	Maharashtra	info@acrofil.in
4	Alexandria International	69b,Pocket-A2,Mayur Vihar Phase-iii,	Delhi	110096	Delhi	araj019812@gamil.com
5	Alpha Engineers	408, 4th Floor, Arcadia, Hiranandani Estate, G.B. Road,	Thane	400607	Maharashtra	cmtech5@gmail.com
6	Ameepolyplast Limited	4,5,Sun Industrial Park, Kujad Road Kubadthal,	Ahmedabad	382443	Gujarat	ameepolyplast@yahoo.com
7	Atlantic Polymers Unit-ii Private Limited	4-A, Sejal Encasa, S.V. Road, Kandivali West,	Mumbai	400067	Maharashtra	krishnan@atlanticpolymers.net
8	Ausind Industries India Private Limited	Flat No.21 Amazon, Akshaya Homes, No.62, Gurusamy Road, Nolambur Chennai Thiruvallur Tamil Nadu 600095	Chennai	600095	Tamil Nadu	info@ausindindustries.com
9	Cello Household Products Private Limited	3rd Floor, B-Wing, Cello House, Corporate Avenue, Sonawala Road, Goregaon East,	Mumbai	400063	Maharashtra	rajesh.bang@celloworld.com
10	Classic Impex	H-1404, Dsidc Industrial Area, Narela, North West	Delhi	110040	Delhi	classicismex16@gmail.com
11	D K Polymers	Survey No. 82/3/2/1, Ground Floor, Village Kharadpada,	Silvassa	396230	Dadra & Nagar Haveli and Daman & Diu	divyarajchauhan111@gmail.com
12	Fibc Silvasa-Aakff4795m	RECOLENE SYNTEX PVT LTD Survey No 910/7/A Aml	Silvassa	396230	Dadra & Nagar Haveli and Daman & Diu	shan@fibc-silvassa.com
13	Fiton Polyplast	Serve No. 27/2, Rajkot Highway, Sukhpur	Junagadh	362310	Gujarat	raj@fitonpolyplast.com
14	Flexistar Polymers India Private Limited	Survey Number Na 774/2 Radhu Village Near Pathapura Bus Stand, Kheda Dholka State Highway, Taluka & District Kheda,	Kheda	387560	Gujarat	dalip@flexistarpolymers.com
15	Floorixo Polymer Llp	Survey No.110/1 And 111 Paiki B, Plot No.14 And 15, Gold Estate.1, Kandla Bypass, Opp Nyara Petrol Pump,	Dharampur	363641	Gujarat	info@floorixopolymer.com
16	Greenquest Pack Solutions Private Limited	Plot No.78, Block-B, Wazirpur Industrial Area, North West Delhi,		110052	Delhi	gqpacksol@yahoo.com
17	Grunlabs Innovates Private Limited	Plot No.74, Sector-57 Phase-Iv, Kundli, Industrial Estate Sonapat,	Sonipat	131028	Haryana	swati.singh@swashindia.com
18	Gtcorp Exports Llp	1108, Sureshwari Techno It Park Premises Chsl, Near Eskay Resorts Link Road, Borivali West, Shimpoli Police Chowki, Borivali West	Mumbai	400092	Maharashtra	amitlall@lesoplastics.co.za
19	Gunja Polymer	Gf Plot No 147, National Park Society, Sarthana	Surat	395006	Gujarat	gunjapolymer@gmail.com
20	Hakimi Rope Industries Llp	Survey No 2423,2426/2, Neemuch Bypass, Bhadbhadiya,	Neemuch	458441	Madhya Pradesh	hakimiropeindustry@gmail.com
21	Hengyu Cleaning Products Private Limited	Gat No 765 Bhakti Warehousing, Near Essar Steel Factory, At Pos - Sanaswadi, Tal- Shirur,	Pune	412208	Maharashtra	hengyu.acc@gmail.com

## ★ NEW MEMBERS FOR THE MONTH OF JULY 2025

Sr. No	Name of the Company	Address	City	Pin	State	Email
22	Hrk Biopolymers Private Limited	Block No.705, Plot No.12, Insta Industrial Park, Ahmedabad Rajkot Highwa, Rupal, Bavla	Ahmedabad	382220	Gujarat	hhpolymers81@gmail.com
23	Indo Smc Limited	Plot No. 11, Shivprerana Industrial Park, Paldi Kankaj, Paldi Kankaj	Ahmedabad	382425	Gujarat	vatsal.thakkar@indosmc.com
24	Indopet Polyplast Private Limited	P-40 New Cit Road, 3rd Floor,	Kolkata	700073	West Bengal	info@indopet.co.in
25	Kataria Pipes Private Limited	Plot No. 56 , Sector-B,Industrial Area,	Ratlam	457001	Madhya Pradesh	lokesh.dpwpl@gmail.com
26	Km Thermopack Private Limited	Plot No. 39, New Survey No. 3344, (Old Survey No. 399/3/P1) Daman-ganga Industrial Park Degam Road, Dungra	Vapi	396191	Gujarat	altafiroha10@gmail.com
27	Kuber Masterbatches Private Limited	Khasra No 46,2,11 Teh Sonipat Village Bagru Sonipat,		131022	Haryana	pushkar.garg@kuber-polyplast.com
28	Lati-Loxim Thermoplastics Private Limited	184, Sanand Viramgam Highway, lyava Village,	Sanand	382110	Gujarat	tax@latiloxim.com
29	Lila Polymers Private Limited	123, Mittal Towers, C- Wing, 12th Floor, Nariman Point,	Mumbai	400021	Maharashtra	jagdish.tanna@lilapolymers.com
30	Lucro Plastecycle Private Limited	175, New Aashirwad Industrial Estate Bldg No. 5, Ram Mandir Road Goregoan West	Mumbai	400104	Maharashtra	telexportsgmail.com
31	M/S Sm Industry	Khotian No. 899, J.L.No. 85 Dag No. 833 Vill: Bishnupur P.O. + P.S. Bhagwanpur, Medinipur		721601	West Bengal	smindustry786@gmail.com
32	Macrocom Industries Private Limited	A-1007 Infinity Tower, Near Hotel Ramada, Corporate Road,	Prahladnagar	380015	Gujarat	phalguni@macrocom.co.in
33	Mano Fish Net	12/56, Anantha Agam, Pozhikkarai P.O., Kanyakumari District Matha Street	Nagercoil	629501	Tamil Nadu	thomasassociates@rediffmail.com
34	Maruti Polypack	Survey No.293/2/P1, Nr.Dhruv Paper, Mill, Lilapar Road, At.Lilapar	Morbi	363641	Gujarat	marutipolypack75@gmail.com
35	Meditech Devices Private Limited	24, Gujarat Pharma Technopark Opp. Zydus Sez, Matoda Patiya Changodar,	Ahmedabad	382213	Gujarat	sales@meditechdevices.com
36	Mg Square One Acrylam Llp	Unit 3, Ls No 214 Opp Krishna Hotel, Nandasan, Mehsana	Nandasan	384450	Gujarat	mgsquareone@gmail.com
37	Morris Linc Private Limited	Aurora Water Front, 18 Th Floor,Gn 34/1 Sector V, Saltlake		700091	West Bengal	subhasis.guha@linclimited.com
38	Nanofil Polymers Private Limited	133, Samarth Residency, Nainod Gommatgiri, Gandhinagar Depalpur,	Indore	453112	Madhya Pradesh	nanopolymer@nanofil.in
39	Novalite Products Llp	2nd Floor, 207, Kalpataru Plaza Chincholi Bunder Road, Malad West	Mumbai	400064	Maharashtra	accountsmumbai@novalite.in
40	Patni Precision Products Private Limited	103 Jinaam Ind. Estate Dhumal Nagar, Waliv Vasai East Dist. Palghar	Vasai	401208	Maharashtra	ceo@patniprecisionproducts.com
41	Prakash Shrink Pack India Private Limited	Plot No.127, Sector-56, Phase-V, Hsi-ic, Kundli Industrial Area Sonapat,	Sonipat	131028	Haryana	vishal@prakashshrink-pack.com
42	Reliance Plastic Industries	27 National Highway, Nr. Galaxy Petroleum, Rajkot Road, Bhojpara, Gondal	Rajkot	360311	Gujarat	rpigondal@gmail.com
43	Royale Rubber Tech (India) Industries	Kila No. 13/2/1/1(1-6), 14/1/1/1(0-2) Khewat / Khatoni No.134/138, Near Rao Mohar Singh College, Behrampur, Gurugram,		122004	Haryana	skroyale@yahoo.com
44	Shri Swasan Chemicals (Madras) Private Limited	2/263, Periyapalayam Road, Janapan Chattram, Alinjivakkam Post, Thiruvallur Thiruvallur Tamil Nadu 600067	Thiruvallur	600067	Tamil Nadu	shriswasan@gmail.com

## ★ NEW MEMBERS FOR THE MONTH OF JULY 2025

Sr. No	Name of the Company	Address	City	Pin	State	Email
45	Shriji Polymers Medical Devices Private Limited	8 & 9 Industrial Area, Maxi Road,	Ujjain	456010	Madhya Pradesh	krishnakant@packing-people.com
46	Spectralite Polyplast Private Limited	Plot No 4/1-2 9 , Survey No 99/1-2 100 , Radhe Industries Zone Veraval Padavala Road Taluka Kotda Sangani Veraval	Rajkot	360024	Gujarat	spectralitepolyplast@gmail.com
47	Springfeel Polyurethane Foams Private Limited	51/2a Kelambakkam - Vandalur Road Pudupakkam Village Chennai/ Tamilnadu. Kanchipuram Tamil Nadu 603103	Chennai	603103	Tamil Nadu	krishnan@springfeel.in
48	Sumhitha Meditech Private Limited	Villa No. 6, 1st Floor, Ektha Highland Park Near Continental Hospital, Nana-kramguda HYDERABAD RANGAREDDY TELANGANA 500032	Hyderabad	500032	Telangana	manjusha_ravi@hotmail.com
49	Ultraswift Green Filtration Private Limited	P-50, Jakkasandra Industrial Area Malur Taluk Kolar Kolar Karnataka 563130	Kolar	563130	Karnataka	ultraswiftgreenfiltration@gmail.com
50	Unitack Speciality Chemicals	Survey No. 391/1/1, B/H Dm Cotton Ind. Shekhpar	Suren-dranagar	363510	Gujarat	aagam@unitack.in
51	Vasundhara Lami Fab	Plot No. 27,28 Survey No.684 Royal Galaxy Estate. Nr Satyam Estate, Opp. Narayan Estate. Kubadthal, Ta-Dascroi	Gujarat	382430	Gujarat	vasundharalamifab@yahoo.com
52	Venkatsri Plast Private Limited	202, G.I.D.C. Makarpura,	Vadodara	390010	Gujarat	vppl09@yahoo.in
53	Volks Safety Products Private Limited	Manjaly, 20/34c, Mattupuram, Karumallur Panchayat, Manjaly North Paravur Ernakulam Kerala 683520	Ernakulam	683520	Kerala	finance@volkssafety.com
54	Yuvraj Packaging India Private Limited	Plot No. B-42, M.I.D.C. Area,	Shendra	431003	Maharashtra	yuvrajpack@gmail.com

