



# PLEXCGLOBEONNECT

EDITION 69, JULY 2025

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

Textile Fabrics Coated,  
Covered or Laminated With Plastics

**COUNTRYSCAPE** Pg No. 35

Senegal

Pg No. 37

**GLOBAL TRENDS &  
INNOVATIONS**

**INTERVIEW OF  
INDUSTRY LEADER** Pg No. 26

Mr. Arif Qureshi,  
Managing Director,  
Innoweave Packaging

**STATE PROFILE** Pg No. 31

Haryana

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**“IN THIS DYNAMIC ENVIRONMENT, OUR COMMITMENT IS UNWAVERING: TO HELP INDIAN PLASTIC EXPORTERS MAKE DEEPER INROADS INTO GLOBAL MARKETS.”**

## **SUSTAINING GROWTH AMID GLOBAL HEADWINDS**

India's plastics export continued their upward trajectory in May 2025, registering a 4% growth over the same period last year. This performance stands out particularly in light of a -2.2% decline in overall merchandise exports, underscoring the resilience and global demand for Indian plastic products. This marks the second consecutive month of growth for the sector — a positive signal of sustained momentum and market confidence.

While cumulative exports saw a slight dip last month due to ongoing geopolitical tensions and reciprocal tariff-related issues, the overall outlook remains strong. These global challenges reiterate the need for strategic outreach and diversification — efforts the Council is actively pursuing.

To support and further this momentum, the Council has initiated engagement with state governments across India. Strengthening state-level collaboration will not only expand our export base but also enable more localized support for member exporters.

On the international front, we are ramping up our outreach. The upcoming Buyer-Seller Meet (BSM) on the sidelines of the K-Fair in Germany will serve as a vital opportunity to connect Indian plastic manufacturers with global buyers. Additionally, the Council is in dialogue with international exhibition organizers to explore the establishment of India Pavilions in new and emerging markets — a strategic move to showcase our capabilities on prominent global platforms.

We remain optimistic about the ongoing negotiations for the India-USA Bilateral Trade Agreement (BTA). A favourable outcome could significantly enhance market access and reduce barriers for Indian plastic exports to one of our largest and most critical markets. However, we are also mindful of the continued volatility in international trade caused by persistent geopolitical conflicts.



In this dynamic environment, our commitment is unwavering: to help Indian plastic exporters make deeper inroads into global markets and expand their footprint wherever opportunity allows. The Council will continue to provide timely policy support, enable strategic partnerships, and strengthen the global perception of India as a reliable supplier of high-quality plastic products.

Warm regards,  
**Vikram Bhaduria**  
Chairman

## MEETINGS WITH VARIOUS STAKEHOLDERS

### 20th June 2025: Seminar on “Ensuring Global Quality: Understanding NABL Accreditation & its Benefits for the Industry” | Eastern Region

PLEXCONCIL jointly with CAPEXIL & National Accreditation Board for Testing and Calibration Laboratories (NABL) organised an awareness Seminar on “Ensuring Global Quality: Understanding NABL Accreditation & its Benefits for the Industry” on 20th June 2025 in Kolkata. Prime objective of the seminar was to create awareness about the benefits and requirement of NABL accreditation for the manufacturer and exporters.



### 24th June 2025: Meeting with MSME Industry Associations on Impact of Quality Control Orders (QCOs) on MSMEs | Western Region

Consultation Meeting with MSME Industry Associations on Impact of Quality Control Orders (QCOs) on MSMEs organised by the O/o DCMSME on 24-6-2025. Additional Secretary & Development Commissioner (MSME), Ministry of MSME Chaired the said meeting. Mr Arvind Goenka (Past Chairman), Mr Nilotpal Biswas (Regional Director), Mr Sanjay Singh (Deputy Director) and Ms Bharti Parave (Deputy Director) attended the Meeting. Mr Arvind Goenka (Past Chairman) made a detailed presentation on the concerns related to QCOs.

### 25th June 2025: Meeting with EPCs and EP Division on focus country Brazil | Eastern Region

The FT-LAC Division Deptt. of Commerce organised a Meeting with EPCs and EP Division on focus country Brazil on 25th June 2025. Ms. Monica Gaur, Director & Nodal Officer for Brazil chaired the meeting in order to prepare for the upcoming review meeting to be chaired by the Commerce Secretary.

The meeting was attended by Mr. Nilotpal Biswas, Regional Director (East) and Ms. Bharti Parave, Deputy Director, Mumbai Head Office.

### 25th June 2025: Stakeholder Consultation Meeting with Joint Secretary (Petrochemicals), DCPC | Western Region

A Stakeholder Consultation Meeting was convened under the chairmanship of Shri Deepak Mishra, Joint Secretary (Petrochemicals), Department of Chemicals & Petrochemicals, on 25th June 2025 via video conferencing. The purpose of the meeting was to discuss matters related to the India-New Zealand Free Trade Agreement (FTA) negotiations.

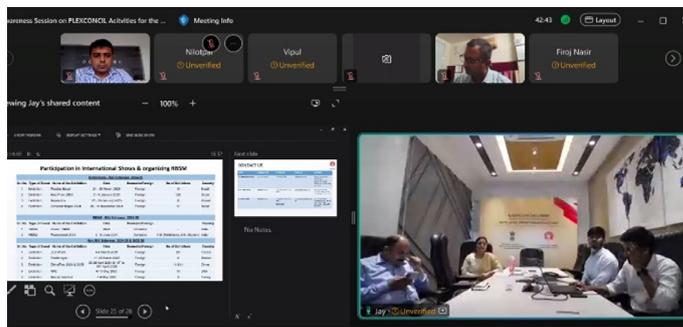
The meeting was attended by Mr. Sribash Dasmohapatra, Executive Director, and Ms. Bharti Parave, Deputy Director.

## WEBINARS

### 17th June 2025: Webinar on New Members Awareness Session on PLEXCONCIL Activities | Western Region

With the objective of briefing new members about overview of Plastic exports and the services and activities of Plexconcil, a virtual meeting was organized on 17th June 2025 in virtual mode.

During the meeting, members were introduced to an overview of India’s plastic exports, the services of Plexconcil on the domestic and international front and the process of accessing the membership portal. During the session, Ms. Bharti Parave, Dy. Director, Plexconcil gave a presentation about Plexconcil activities and India’s exports and potential markets information and while Mr. Naman Marjadi, Assistant Director, Regional Office - Ahmedabad, Plexconcil, delivered a demo on the process of accessing membership portal.



STATE OUTREACH INITIATIVES

**4th June 2025:**  
**Partnership to Raise Awareness and Boost Plastic Exports from Madhya Pradesh | Western Region**

Virtual meeting was organized between officials of MPIDC and Plexconcil. Mr Sribash Dasmohapatra, Executive Director, Plexconcil gave a presentation on overview of plastic export from India, overview of plastic export from MP and activities and support provided by Plexconcil. Shri Vishal Singh Chauhan, Executive Director, MPIDC and Mr. Ravi K Tiwari, Team Lead and Export Advisor to the Govt of MP appreciated the effort of joining hands with MPIDC to increase plastic exports from MP. Ms Bharti Parave, Mr Naman Marjadi and Mr Prasad Arolkar from Plexconcil also attended this meeting and shared their inputs.



Representative from MPIDC also visited Plexconcil H.O to discuss further co-operation with Plexconcil. Mr. Pratul Sinha (ED, MPIDC RO Gwalior MD, Gwalior Plastic Park) had physical meeting with ED Plexconcil on 18th June 2025 at New Delhi to discuss and make strategy for increasing exports from M.P .

**10th June 2025:**  
**Meeting regarding collaboration of PLEXCONCIL and UT of DNH & DD | Western Region**

Meeting was held under the Chairmanship Advisor to the Hon'ble Administrator- Shri Amit Singla , IAS, UT of DNH & DD at Vidyut Bahvan, Kachigam, Daman on 10th June 2025. During the meeting, Mr Sribash Dasmohapatra, Executive Director, Plexconcil gave a presentation on overview of plastic export from India, overview of plastic export from UT of DNH & DD and activities and support provided by Plexconcil. Ms Bharti Parave, Mr Naman Marjadi and Mr Prasad Arolkar from Plexconcil also attended this meeting and shared their inputs.



**11th June 2025:**  
**Meeting regarding collaboration of PLEXCONCIL and Directorate of Industries, Goa | Western Region**

On 11th June 2025, PLEXCONCIL held an e-meeting with Mr. Pratik Parab, Deputy Director, Directorate of Industries - Goa, to explore collaboration on export awareness and capacity-building programs for plastic manufacturers and exporters in Goa. Ms. Bharti Parave, Deputy Director - Trade & Policy, presented an overview of PLEXCONCIL and proposed areas for partnership.

The meeting was also attended by Mr. Naman Marjadi, Mr. Raja Iyer and Mr. Prasad Arolkar. Mr. Atif Ur Rahman, Project Manager at EY and consultant to the Directorate also representing the DIC during the meeting. The Directorate requested details on export schemes from other states, Goa's plastic export data, and a proposal outlining collaboration areas. PLEXCONCIL has compiled this information for discussion in the next meeting.



**12th June 2025:**  
**Emerging Export Opportunities in India : seminar organized by the Tamil Chamber of Commerce & Industry, Madurai, through their forum of Export Promotion Center, in association with PLEXCONCIL at Madurai, Tamil Nadu | Southern Region:**

The Tamil Chamber of Commerce and Industry, a 100-year-old Chamber in Tamil Nadu, organized a half-day seminar on "Emerging Export Opportunities India" in association with Plexconcil and EEPC on 12 June 2025 through its Export Promotion Center, a forum dedicated to promoting Exports.

## ★ COUNCIL ACTIVITIES



Mr. Ruban Hobday, Regional Director-South, was invited as one of the speakers to inform about the opportunities for Plastics and Polymers in the international market. The seminar had an attendance of more than 85 members, who were mainly exporters and potential exporters who were keen to know more about the opportunities for plastics.

The participants were keen to understand the international markets, raising questions about the potential of plastic products in future markets like Guatemala, Costa Rica, and other countries. The deliberations were on raw material imports, machinery support, and the Plexconcil's membership and its services, which were well explained by the Regional Director.



The Regional Director few other members of the Council at their factory/office, including the Madurai Plastics Manufacturers Association President, Mr. Sekar, who is keen to support the Council's activities, including a slot during the AGM in 2025.

Earlier, Mr. G. Rajamurthy, Chairman- EPC, welcomed the gathering and introduced the speakers, while Mr. S.B. Rajkumar, President, Madurai, also spoke on the occasion.

The Plexconcil was able to generate 4-5 leads for membership; however, many were keen to be part of the Plexconnect 2026 in Delhi before which they will become

members. M/s. Shri Hari Polymers, Madurai, became a member on the same day. Thanks to the RO Chennai for the follow-up and for making them a member within a few hours after the seminar.



The Regional Director met with Mr. Ganeshan, GM, DIC (District Industry Center), and Mr. Saravanan, GM, MSME, to plan out programs in Madurai and surrounding areas with their support, including financial support to promote exports. The Council was able to get the entire database of Plastic Manufacturers in Madurai through the DIC office, which will enable the RO to contact them directly for membership.



### **18th June 2025: Partnership to Raise Awareness and Boost Plastic Exports from ASSAM | Eastern Region**

The Regional Director (East) visited Guwahati and held a meeting with Mr. Oinam Singh, IAS, Commissioner, Industries & Commerce, Government of Assam. During the interaction, the Council's mandate and activities were presented, along with insights into the export potential of plastic goods from the region.

The Commissioner acknowledged and appreciated the efforts of the Council. Further, a separate meeting was

## ✦ COUNCIL ACTIVITIES

held with Mr. Ajay Meena, Assistant Director, MSME-DFO, Guwahati, who also heads the Export Development Cell. The Commissioner requested to submit a note on the export potential of plastic goods from the state along with potential items. They have also agreed to join hands with the Council for promotion of plastic export from the State of Assam.

**20th June 2025:**

### **Consultative meeting with top Plastic exporters of UT of Dadra & Nagar Haveli and Daman & Diu | Western Region**

UT Administration of Dadra & Nagar Haveli and Daman & Diu in association with The Plastic Export Promotion Council- (Plexconcil) organized a consultative meeting with top exporters from UT of DNH & DD. The objective of this meeting was to gather feedback on the issues faced by Exporters and to receive suggestions from industry members to boost exports from UT of DNH & DD. The meeting was held under the chairmanship of Shri S. Asker Ali, IAS, Secretary (Industries, Trade and Commerce), on 20/06/2025 at 11:00 AM at the Conference Hall, Vidyut Bhavan, Daman. Plexconcil was represented by Ms Bharti Parave, Deputy Director – Trade & Policy, Plexconcil and Mr. Naman Marjadi, Assistant Director, Regional Office - Ahmedabad, Plexconcil.



### **LIST OF REPRESENTATIONS MADE IN JUNE 2025**

**Representation to Department of Chemical and Petrochemical** regarding inputs on Poly Vinyl Chloride (PVC) Homopolymers (IS 17658:2021) due for implementation.

**Representation to HDFC Bank, New Delhi** regarding Non-Regularization of Export Transactions by HDFC Bank (Ajmeri Gate Branch) - M/s. Supervac Industries LLP.

**Representation to Central Board of Indirect Taxes & Customs & Special Secretary** to the Govt. of India New Delhi, regarding request for Flexibility in HS Code under Advance Authorization Scheme for import of Plastic Raw Materials.

**Representation to O/o. DCPC and EP(CAP)** regarding seeking extension of the BIS Standard for PVC Paste Resin.

**Representation to O/o. DCPC** regarding extension of Implementation Date for Quality Control Orders (QCO) - POLYPROPYLENE (PP) MATERIALS FOR MOULDING AND EXTRUSION (QUALITY CONTROL).

**Submission of 'Inputs for meeting on 10th Working Group on Trade between India and Taiwan'** to EP(CAP) Division of DoC.

**Submission of Inputs to FT-ASEAN Division** on 'List of queries related to challenges in utilising ASEAN India Trade in Goods Agreement' to EP(CAP) Division of DoC.

**Submission of 'Export Performance Analysis to EU (27 countries) & Germany in last 10 years'** to EP(CAP) Division of DoC.

**Submission of inputs on under-utilisation of ASEAN India Trade in Goods Agreement** for exports to Indonesia to EP(CAP) Division of DoC.



### **SUMMARY OF EXPORTS**

Plastic exports grew by 4.2% in May 2025, despite a 2.2% decline in overall merchandise exports. Exports reached USD 1.09 billion in May 2025, compared to USD 1.05 billion in the same period last year. This marks the second consecutive month of growth in the current financial year, indicating strong global demand for Indian plastic products. Exports of plastic raw materials declined by 1.4%, while exports of value-added plastic products increased by 5.3%. Human hair product exports also witnessed a growth of 16.1%. Among value-added products, the highest growth in value terms was recorded in: FIBC, woven sacks & woven fabrics (24.2%); Consumer & houseware products (13.0%) and Packaging items – flexible & rigid (10.3%).

Cumulatively, exports during April–May 2025 grew nearly 6% to USD 2.1 billion, supported by strong performance across most product segments.

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



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F.Y. 2016-2017

**Mr. Prem Kumar Solanki**



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## ANALYSIS OF INDIA'S PLASTICS EXPORT

MAY 2025

### KEY FINDINGS

Plastic exports grew 4.2% in May 25, despite decline -2.2% in overall merchandise exports.

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

There was strong demand in USA & other developed markets for houseware products, FIBC, plastic medical items and other value-added goods.

Decline in exports of FRP, composites & floor covering products was due to weak demand in the middle east, Italy & South Asian countries.



## EXPORT PERFORMANCE

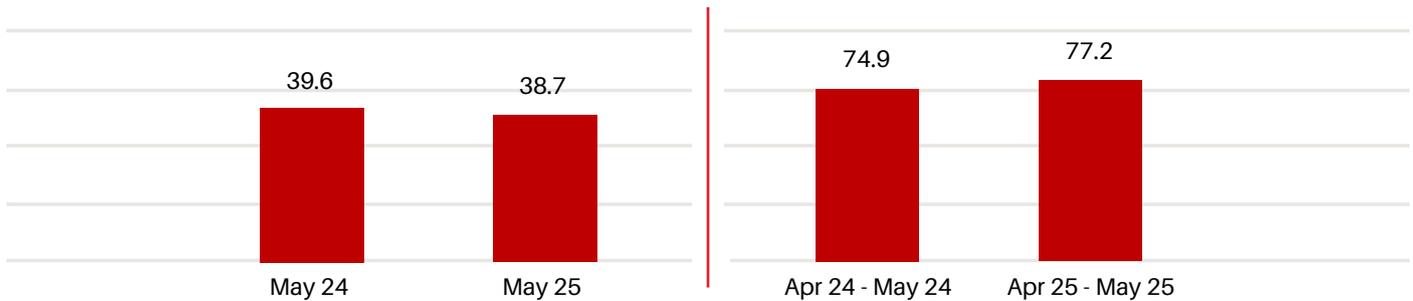
### TREND IN OVERALL EXPORTS

India's overall merchandise exports declined 2.2% during May 2025 from one year ago, this month, after growing at 9.1% in April 2025.

The fall in exports during May 2025 was led by contraction in shipments of petroleum products, processed diamond & other products. However, cumulative merchandise exports during Apr-May 2025 recorded 3.1% growth.

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

(USD Billion)



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

### TREND IN PLASTICS EXPORT

India's plastics exports recorded a 4.2% growth in May 2025, marking the second consecutive month of expansion driven by strong global demand. Shipments rose from USD 1.05 billion in May 2024 to USD 1.09 billion in May 2025.

Over April-May 2025, exports grew nearly 6% to USD 2.1 billion, supported by robust performance across most product segments.

**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 May 2025, seven 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, human hair, and consumer & houseware products witnessed double-digit growth, contributing significantly to the overall expansion. The remaining growing segments, including medical items, writing instruments and miscellaneous items also supported the upward trend.

Exports of cordage, fishnets; floorcoverings, plastic films & sheets; FRP & composites; pipes & fittings, and plastics raw materials registered contraction during this month as the following Exhibit shows.

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

Panel	May 24	May 25	Growth	Apr 24 May 24	Apr 25 May 25	Growth
	USD million		%	USD million		%
Consumer & houseware products	65.9	74.5	13.0%	122.8	144.5	17.7%
Cordage, fishnets & monofilaments	25.1	23.0	-8.5%	45.1	45.3	0.5%
FIBC, Woven sacks, Woven fabrics, Tarpaulin	118.0	146.6	24.2%	228	281.6	23.5%
Floorcoverings, leathercloth & laminates	65.6	65.1	-0.8%	118	122.9	4.2%
FRP & Composites	45.5	42.5	-6.6%	84.5	82.3	-2.6%
Human hair & related products	66.3	76.9	16.1%	116.1	128.6	10.7%
Medical items of plastics	44.1	47.4	7.6%	86.4	93.45	8.2%
Miscellaneous products and items nes	61.9	67.7	9.4%	104.7	126.4	20.7%
Packaging items - flexible, rigid	53.5	59.0	10.3%	105.9	113	6.8%
Plastic films and sheets	179.0	169.8	-5.1%	340.7	327.9	-3.8%
Plastic pipes & fittings	24.6	24.3	-1.3%	46.9	49.9	6.3%
Plastic raw materials	278.6	274.6	-1.4%	513.8	513	-0.2%
Writing instruments & stationery	22.7	23.1	1.9%	44.6	44.7	0.2%
	<b>1,051</b>	<b>1,094</b>	<b>4.2%</b>	<b>1,957</b>	<b>2,073</b>	<b>5.9%</b>

Source: Ministry of Commerce & Industry, Government of India

## EXPORT PERFORMANCE

**Exports of Consumer & Houseware Products** posted healthy growth of 13.0% during the month under review because of robust demand in USA and European countries. The growth was led by increase in shipments of other Tableware and Kitchenware (HS 392410) to USA; Other Household and toilet articles (39249090) to the UK and Toothbrushes (96032100) to USA and Brazil.



**Exports of Cordage, Fishnets & Monofilaments** witnessed 8.5% decline during the month because of fall in shipments of Coir, cordage and ropes (56079010). There were also signs of weak demand for made-up fishing nets (HS 56081190) in Norway and Morocco.

**Exports of FIBC, Woven Sacks and Women Fabrics** posted the highest growth of 24.2% among 13 panels during May 2025 because of strong export orders from western markets. Specifically, exports of FIBC (630532) recorded strong growth to USA, Spain, UK and other European markets.

**Shipment of Floor Coverings, Leather Cloth & Laminates** dropped marginally by 0.8% during May 2025 because of weak demand condition in South Asia and Middle East countries. Specifically, sales of floor coverings of PVC (391810) were lower in Saudi Arabia, Italy, Nepal and Yemen.



**Export of FRP & Composites** declined 6.6% due to lower sales of other plastic articles nes (392690).

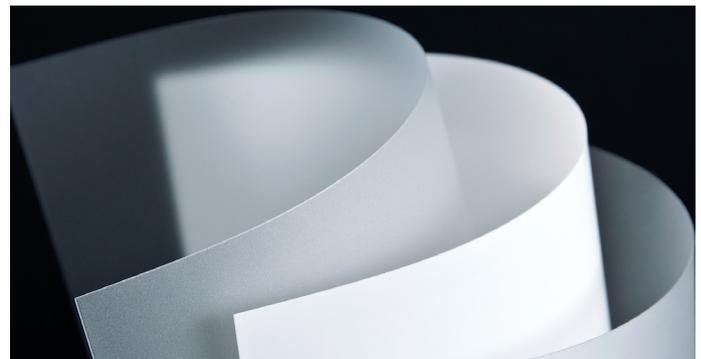
**Shipment of Human Hair** posted the second highest growth of 16.1% among all the product panels driven by strong sales of processed human hair (67030010) to Viet Nam. Similarly, export of unprocessed hair (05010010) recorded strong growth in Myanmar.

India recorded 7.6% growth in export of **Medical Items of Plastics** during May 2025 led by rise in sales of Cannulae (90183930) to the USA, UAE, Saudi Arabia & Afghanistan.

There was 9.4% growth in shipment of **Miscellaneous products & items nes** due to improving order inflows for optical fibres and cables (900110) from the USA, UK, Saudi Arabia and other markets.

Indian exporters registered 10.3% growth in shipment of **packaging items - flexible, rigid** led by rise in demand in USA and France for conveyance or packaging articles (39239090). Exporters of Sacks and Bags of Polyethylene (39232100) also witnessed strong demand in USA and UK.

Shipment of **Plastic Films & Sheets** dropped 5.1% led by fall in sales of flexible, plain PET plates and sheets (39206220) to Germany, Italy and other markets. There was also fall in export of Other Self-Adhesive Plates (391990) to UK, Spain and South Africa.



Export of **Plastic Pipes & Fittings** fell 1.3% because of weak demand condition in Nepal, USA and Bhutan for Polyethylene Tubes Pipes and Hoses (391721); There was also decline in shipment of Tubes, Pipes and Hoses of other Plastics (39172990) to Qatar, Viet Nam and USA.

There was a 1.4% fall in export of **Plastic Raw Materials** in May 2025 due to decline in shipment of polyethylene (390110) to UAE, Egypt and Saudi Arabia. There has also been declining orders from Nigeria, South Korea and recently from Nepal and China for Ethylene (390140).



India witnessed 1.9% growth in export of **Writing instruments & stationery** because of increase in demand in recent times from USA, Germany, Canada and UK for office or school supplies (39261099). There was also revival in demand for Pen Nibs and Nib Points from Bangladesh, Viet Nam and Mexico in recent months.

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

HS Code	Description	Apr 24 May 24	Apr 25 May 25	Growth
		Values in USD Mn		(%)
63053200	Flexible intermediate bulk containers	130.1	171.4	+31.7%
67030010	Human hair, dressed, thinned, bleached or otherwise worked	93.4	92.0	-1.5%
39269099	Other articles of plastics n.e.s	83.3	81.5	-2.1%
39232990	Other sacks and bags of plastics excl. those of polymers of ethylene	72.6	82.2	+13.1%
39021000	Polypropylene	74.3	45.7	-38.5%
39076190	Other primary form of polyethylene terephthalate	37.5	49.4	+31.8%
48239019	Decorative laminates	47.7	52.1	+9.2%
90011000	Optical fibres, optical fibre bundles and cables	43.1	56.8	+31.9%
39206220	Flexible and plain sheets and film of non-cellular polyethylene terephthalate	51.1	40.6	-20.5%
39269080	Polypropylene articles	40.6	45.3	+11.7%
39069090	Other acrylic polymers, in primary forms	35.2	39.9	+13.1%
39202020	Flexible and plain sheets and film of non-cellular polymers of ethylene, not reinforced	43.0	38.0	-11.5%
39232100	Sacks and bags, incl. cones, of polymers of ethylene	31.6	34.9	+10.4%
59039090	Other textile fabrics impregnated, coated, covered or laminated with plastics other than polyvinyl chloride or polyurethane	36.7	36.4	-0.7%
39239090	Other articles for the conveyance or packaging of goods, of plastics	32.5	34.7	+6.7%
5010010	Human hair, unworked; whether or not washed or scoured	22.2	35.8	+61.0%
39014010	Linear low density polyethylene (LLDPE	29.4	18.5	-37.2%
39202090	Films and sheets of non-cellular polymers of ethylene, not reinforced	27.6	28.0	+1.4%
90015000	Spectacle lenses of materials other than glass	27.4	28.5	+4.0%
90183930	Cannulae	20.6	26.5	+28.5%
39012000	Polyethylene with a specific gravity of >= 0,94, in primary forms	18.4	17.7	-3.9%
39219099	Other sheets and film of plastics, reinforced, laminated, supported or similarly combined with other materials, unworked	24.5	23.0	-6.1%
96081019	Ball-point pens	21.8	19.8	-9.3%
39199090	Other self-adhesive sheets and film of plastics, whether or not in rolls > 20 cm wide	17.8	16.1	-9.5%

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

HS Code	Description	Apr 24 May 24	Apr 25 May 25	Growth
		Values in USD Mn		(%)
56074900	Twine, cordage, ropes and cables of polyethylene or polypropylene	18.6	19.2	+3.2%
39046100	Polytetrafluoroethylene	20.4	22.9	+12.1%
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	21.2	19.8	-6.7%
39076990	Other primary form of polyethylene terephthalate	17.2	19.8	+15.1%
39129090	Other cellulose and chemical derivatives thereof, n.e.s., in primary forms	18.1	22.2	+22.8%
39219094	Flexible and metallised sheets and film of plastics, reinforced, laminated, supported or similarly combined with other materials, unworked	18.3	18.4	+0.3%
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	15.9	14.2	-10.8%
39046990	Other fluoro-polymers of vinyl chloride or of other halogenated olefins, in primary forms	17.9	17.0	-5.2%
39241090	Other tableware and kitchenware, of plastics	16.9	18.7	+10.7%
39206919	Other sheets and film of non-cellular polyesters, not reinforced, laminated, supported or similarly combined with other materials, not worked	13.6	19.1	+40.3%
39206290	Other sheets and film of non-cellular polyethylene terephthalate, not reinforced, laminated, supported or similarly combined with other materials, without backing, unworked	17.3	14.0	-18.8%
39072990	Other polyethers n.e.s	13.5	16.1	+19.3%
39140020	Ion-exchangers based on polymers of heading 3901 to 3913, in primary forms: Ion exchangers of polymerisation or	14.7	11.5	-22.1%
39095000	Polyurethanes, in primary forms	14.3	13.7	-4.1%
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	15.4	13.8	-10.0%

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

HS Code	Description	Apr 24 May 24	Apr 25 May 25	Growth
		Values in USD Mn		(%)
39204900	Sheets and film of non-cellular polymers of vinyl chloride, containing by weight < 6% of plasticisers, not reinforced	12.1	12.4	+2.8%
96032100	Tooth brushes	12.2	15.8	+29.9%
39119090	Other polysulphides, polysulphones and other polymers and prepolymers produced by chemical synthesis, n.e.s.	13.0	17.2	+32.3%
59031090	Other textile fabrics impregnated, coated, covered or laminated with polyvinyl chloride	12.1	13.3	+10.3%
39219096	Flexible and laminated sheets and film of plastics, reinforced, laminated, supported or similarly combined with other materials, unworked	13.4	14.5	+8.5%
39201019	Other sheets and film of non-cellular plastics	13.9	13.1	-6.0%
39235010	Stoppers, lids, caps and other closures, of plastics: Caps and closures for bottles	13.6	11.3	-16.5%
39011090	Other polyethylene with a specific gravity of < 0.94, in primary forms	14.9	13.5	-9.4%
39172390	Rigid tubes, pipes and hoses, and fittings therefor, of polymers of vinyl chloride: Other	10.2	10.7	+4.6%
39076930	PET flake (chip)	10.0	20.9	+109.2%
39241010	Tableware and kitchenware, of plastics: Insulated ware	8.7	10.9	+25.7%

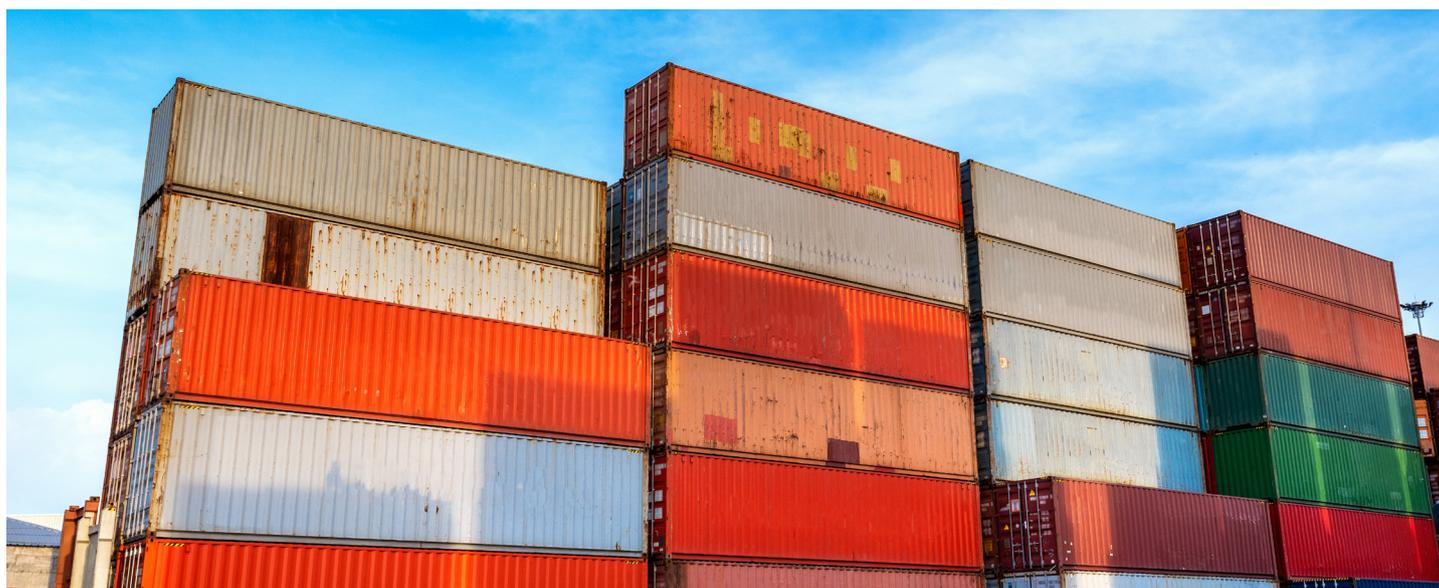
**Source:** Ministry of Commerce & Industry, Government of India



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

HS Code	Description	Apr 24	Apr 25	Reasons
		May 24	May 25	
		(USD Mn)		
39021000	Polypropylene	74.3	45.7	Exports have declined because of weak demand in Bangladesh, which is the top destination for this product. Exports have declined also because of domestic shortage as India is a net importer of this raw material.
39014010	Linear low-density polyethylene (LLDPE)	29.4	18.45	Exports have declined due to lower shipments to China, which was the largest market for this product. 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	51.1	40.6	Decline in exports can be attributed to weak demand in European countries such as Germany and Netherlands, which are among the top 5 markets for this product.
39202020	Flexible and plain sheets and film of non-cellular polymers of ethylene	43.0	38.0	Indian exporters are facing weak demand in Germany, Colombia and Nepal, which are among top 12 markets for this product

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





# MS. SEJAL KOTHARI

## Director & CFO, Kodixodel

### 1. What has been your journey like in your current role at Kodixodel. Please mention some of your key achievements and learnings.

Despite Kodixodel being a family owned company, I began my journey from a junior executive position. Today, after seven years, serving as Director and CFO, the transformation has been both personal and professional. What began with balance sheets evolved into deep technical involvement across our product portfolio. Coming from a CA background, never imagined I would one day successfully conduct shopfloor product trials for 500 mm dia pressure pipe on a Battenfeld-Cincinnati extruder. The steep learning curve, from financials to formulations has been one of the most fulfilling aspects of this journey.

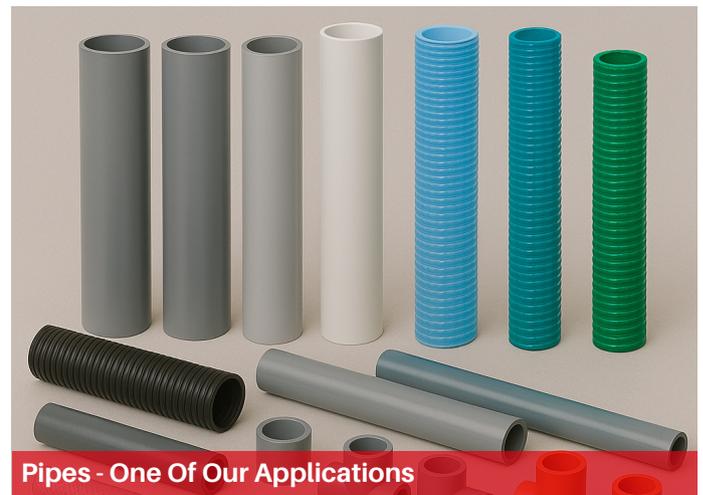
I've single-handedly developed multiple international markets and led Kodixodel to achieve Star Export House certification. Our export turnover grew from 10% to 40% of our total turnover under my leadership.

One of my key learnings was understanding PVC behavior by relating it to simple everyday life processes. I now connect chemistry to practical experiences which helped me understand how even a minute change in the formulation can have a massive impact on the end product. Above all, I've learned that persistence pays off, and that staying a student regardless of your designation is what truly drives growth in an industry as dynamic as ours. //

### 2. You have a diversified PVC stabiliser product portfolio. Which ones are your focus areas. In light of the future growth potential.

Our focus is firmly aligned with sustainable and non-toxic alternatives, primarily Ca-Zn, Tin, and mixed metal stabilizers. We're continuously expanding this portfolio to cater to a wider range of applications, including niche segments like pharma.

We're also developing grades in line with emerging PVC technologies such as OPVC. Additionally, our newly commissioned metallic stearates plant has unlocked multiple opportunities across diverse industries beyond just PVC. //



Pipes - One Of Our Applications

### 3. What are some of the technology innovations fueling the growth of Kodixodel.

At Kodixodel, innovation has always been closely tied to customer benefit and process consistency. We have formulated one pack stabilizers that perform effectively at a very low dosage. This not only brings down the formulation cost for our customers but also ensures process stability and consistent output.

We've also developed specialized grades tailored for re-processed polymers which is an increasingly relevant segment in today's economy. These grades help reprocessed PVC behave almost like virgin material, ensuring minimal compromise on mechanical and aesthetic properties.

On the manufacturing front, our fully automated in-house designed plant has played a pivotal role in elevating our quality standards. By eliminating manual handling, we've significantly reduced the risks of contamination and hu-

man error, making our process both cleaner and more efficient. Our recent capacity expansion has further strengthened our ability to serve customers operating on JIT and Kaizen inventory models.



Kodixodel Manufacturing Facility

Together, these innovations have positioned us as not just an additive supplier, but a partner in product and process optimization for our customers. ”

#### 4. How has the PVC category evolved? What are some of the salient advancements that are shaping manufacturing of PVC Products?

The PVC Industry is about 80-90 years old but over the years, it has undergone a major transformation driven largely by evolving applications and regulatory shifts. And till date it continues to be very dynamic. This constant evolution has redefined PVC additives, demanding greater formulation efficiency without compromising thermal stability or mechanical performance.



PVC Additives

One of the most notable advancements has also been the transition from traditional lead-based stabilizers to non-toxic ones like calcium-zinc. Simultaneously, there's been a clear rise in specialty PVC applications, including CPVC, OPVC, clear PVC, foamed PVC, and medical-grade

PVC. These require higher technical precision and customized additive formulations to meet specific benchmarks like fusion, impact resistance, weatherability etc. Another key evolution has been the growing integration of reprocessed PVC in mainstream applications. The industry is increasingly seeking solutions that can help recycled material behave close to virgin PVC, without sacrificing quality. ”

**“LONG-TERM SUCCESS LIES IN OFFERING HIGHER QUALITY, CONSISTENT PERFORMANCE, CONTINUOUS PRODUCT INNOVATION, AND ETHICAL BUSINESS PRACTICES.”**

#### 5. What are some of the challenges facing the category? Especially in light of sustainability mandates that are becoming more and more stringent.

The biggest challenge remains the global phase-out of lead-based stabilizers. While non-toxic alternatives are gaining ground, the shift is still difficult in cost-sensitive markets.

There's also a growing pressure to balance compliance with cost. Sustainable formulations often come at a premium, making their adoption slower in competitive sectors. Additionally, PVC continues to face perception issues as a “problematic plastic,” despite its durability and recyclability, which, our industry must address through both innovation and awareness. ”

#### 6. As one of the leading exporters, what are some of your learnings. Which region is your key focus now?

One of my biggest learnings in exports is how deeply geopolitics influences global trade. It affects everything from demand cycles and forex rates to raw material flow and sea freight dynamics. Staying agile in such a volatile environment is critical.

Another key takeaway is that while competing with mass manufacturers like China can be challenging, long-term

success lies in offering higher quality, consistent performance, continuous product innovation, and ethical business practices.

While we've established a strong presence in Russia, Africa, and the Middle East, our current focus is on expanding into European markets. With a diverse portfolio of REACH and RoHS compliant stabilizers, we're well positioned to serve customers who prioritise compliance, and performance. //



### 7. What are some of your suggestions to make our policies more exports friendly?

To make exports more competitive, especially for MSMEs, increasing RoDTEP rates or offering product-linked incentives for plastic exports can help Indian manufacturers compete with countries offering heavy state subsidies that currently possess a substantial threat during price wars. Secondly, strengthening the Interest Equalisation Scheme for MSMEs could be game-changing. Affordable pre-shipment finance like Export Packing Credit is critical for managing cash flows in export cycles.

India would also benefit greatly from more FTAs with friendly nations, especially in Africa, Central Asia and Middle East. Reducing import duties on Indian goods can unlock new price-sensitive markets.

Additionally, introduction of a government backed freight pooling mechanism, where exporters can collectively access pre-negotiated sea freight and space specially on high volume lanes. This would act as a support during geopolitical disruptions like wars which would shield exporters from sudden freight spikes and capacity shortages. Our government can also take initiatives to promote Indian shipping companies that would prioritise our shipments and keep our export data safe.

Moreover, logistics grants to industries situated away from ports would ensure promotion of exports across the entire nation. //

### 8. What is your personal mantra for professional and personal success?

While I believe I am still and will always be on a journey of achieving success, my idea is to train myself like a dog, memorise like an elephant, work like a horse, and live like a lion. //

### 9. What would be your message to young entrepreneurs who want to make a mark in their ventures?

Always stay curious! Every challenge, every conversation, every mistake is an opportunity.

Embrace tools like automation and AI to stay efficient and have a forward looking thinking. But never lose our value system built on integrity, persistence and respect by generations before us. There's real strength in blending innovation with timeless business fundamentals and that's where true leadership begins. //

### Some Of Our Other Applications



Masterbatches



Pharmaceuticals



### **1. Directorate General of Trade Remedies F. No. 6/17/2025- CASE No. AD (OI)-15/2025**

An anti-dumping investigation concerning imports of “Thermoplastic polyurethane (TPU)-based Surface/Paint Protection Film” originating in or exported from China PR has been initiated by the Designated Authority constituted under the Customs Tariff Act, 1975 in respect of the aforementioned subject matter to investigate into the existence, degree and effect of alleged dumping.

[Link to the PDF](#)

#### **Conclusion:**

Industry players are requested to share their feedback/opinion about how this proposed anti-dumping duty, if levied, will impact producers of Thermoplastic polyurethane (TPU) and also the downstream industries that use this product as raw material.

### **2. DCPC Notification No. SO 2746 New Delhi, 20th June, 2025**

The Department of Chemical and Petrochemicals has announced **Extension of imposition of Quality Control Order on POLY VINYL CHLORIDE (PVC) HOMOPOLYMERS Amendment Order, 2025.**

[Link to the PDF](#)

#### **Conclusion:**

Quality Control Order on POLY VINYL CHLORIDE (PVC) HOMOPOLYMERS shall come into force on the 24th day of December, 2025.

### **3. DCPC Notification No. SO 2788 New Delhi, 23rd June, 2025**

The Department of Chemical and Petrochemicals has announced **Extension of imposition of Quality Control Order on POLYPROPYLENE (PP) MATERIALS FOR MOULDING AND EXTRUSION (QUALITY CONTROL) Amendment Order, 2025.**

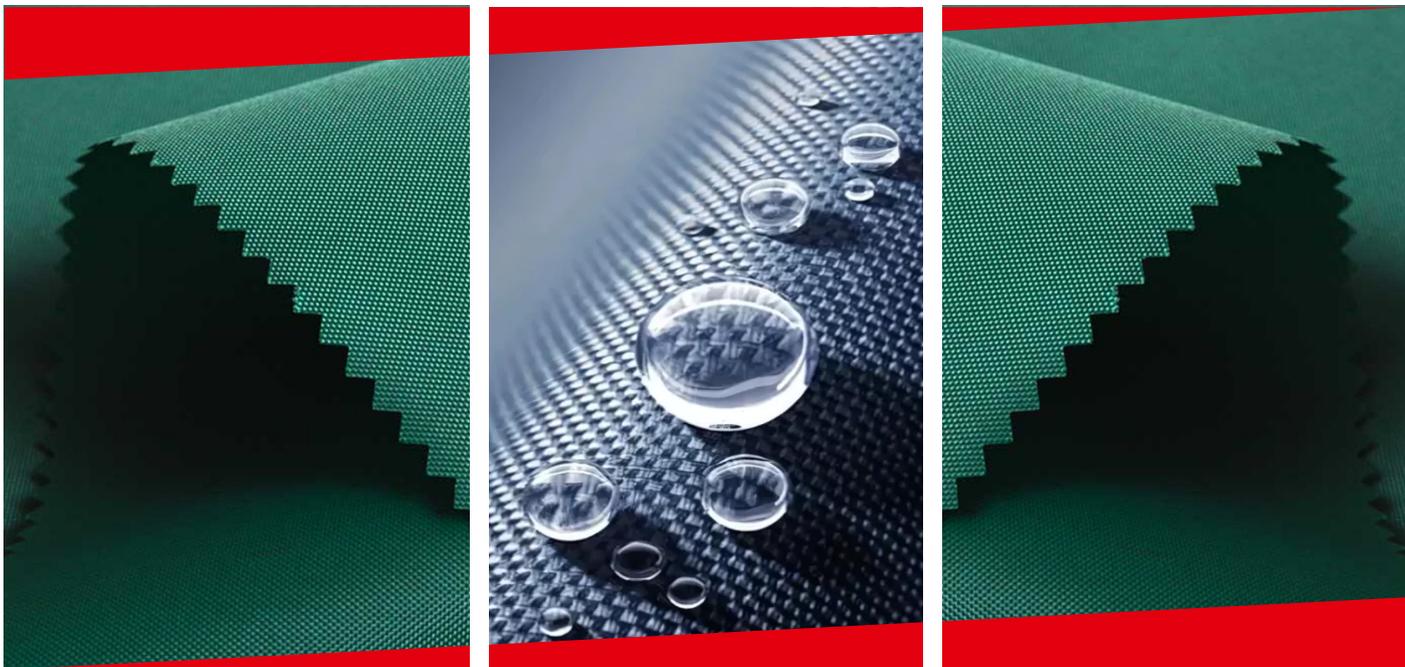
It shall come into force on the date of its publication in the Official Gazette.

[Link to the PDF](#)

#### **Conclusion:**

Quality Control Order on POLYPROPYLENE (PP) MATERIALS FOR MOULDING AND EXTRUSION (QUALITY CONTROL) shall come into force on the 24th day of October, 2025.

# TEXTILE FABRICS COATED, COVERED OR LAMINATED WITH PLASTICS



Plastic materials like polyethylene (PE) and polypropylene (PP) are used to enhance the durability and waterproofing of cotton, jute, and other textile fabrics. These plastics are impregnated, coated, covered, or laminated on fabrics to improve protective properties.

Such treated textiles are used in garments, industrial uses, and protective gear. Applications include sports goods, travel bags, furniture cushions, vehicle seat covers, waterproof jackets, and surgical gowns. It is classified under Subheading 590390 of the Harmonized System (HS) of Coding, and this product includes fabrics treated with plastics other than PVC.

## MARKET DYNAMICS

Global demand for textile fabrics impregnated or covered with plastics other than PVC has grown at a CAGR of 3% in the last 11 years from USD 3.5 billion in 2014 to USD 4.5 billion by 2024.

- 📍 **The top five exporters of this product are: China (32.1%), Germany (13.1%), USA (10.2%), Italy (5.5%) and India (4.8%)**
- 📍 **The top five importers of this product are: Viet Nam (12.4%), USA (10.7%), Mexico (7.5%), China (4.6%) and Hong Kong (4.6%).**

## INDIA'S PERFORMANCE (EXPORTS)

India became a net exporter of this product in FY23-24 and FY24-25, highlighting rising domestic capacity and global competitiveness.

In FY25, exports surpassed imports by USD 68 million. India exports three key varieties under this category: cotton fabrics with plastics (59039010), polyethylene laminated jute fabrics (59039020), and other textile fabrics with plastic coating (59039090).

India exports an average of USD 18 million worth of this product monthly and holds a 4.8% share in the global market, ranking fifth worldwide. Over the past two years (2023-2024), India has surpassed South Korea and Hong Kong in market share. With targeted efforts and trade promotion, India has the potential to break into the top three exporters.

India's exports of this product saw strong growth in FY 24-25, rising 21% in value to USD 225 million and 24% in quantity to 881 thousand sqm. Since 2021, exports grew at a CAGR of 4.5% in value and 26% in quantity terms. The USA remains the top export destination by both value & volume.

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

Destination Country	Value (USD Mn)	Share in total exports (%)	Destination Country	Qty. (000'sqm)	Share in total exports (%)
USA	183	81	USA	762	86
UAE	11.9	5	UAE	41.3	5
Canada	9.0	4	Canada	39.9	5
Bangladesh	2.1	1	Mexico	5.9	1
Italy	1.9	1	South Africa	3.0	-
Vietnam	1.6	1	Germany	3.0	-
Nepal	1.4	1	Spain	2.6	-
Mexico	1.1	-	Bangladesh	2.5	-
South Africa	1.1	-	Italy	2.3	-
Spain	1.0	-	China	2.1	-
<b>Total of top 10 countries</b>	<b>214</b>	<b>95</b>	<b>Total of top 10 countries</b>	<b>864</b>	<b>98</b>
<b>Total of all countries</b>	<b>225</b>	<b>100</b>	<b>Total of all countries</b>	<b>881</b>	<b>100</b>

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

**INDIA'S PERFORMANCE (IMPORTS)**

India is the 6th largest importer of this product, holding a 3.3% share in global imports.

In 2024-25, imports grew by 14.6% in value terms, while quantity declined by 3.4% from the previous year. China is the major source of imports, both in value and quantity terms.

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

Source Country	Value (USD Mn)	Share in total imports (%)	Source Country	Qty. (000'sqm)	Share in total imports (%)
China	111	68	China	117,195	99.9
Germany	19.3	12	Hong Kong	31.0	-
Vietnam	8.9	6	Japan	29.9	-
Hong Kong	4.8	3	Italy	14.1	-
Thailand	2.6	2	Malaysia	8.7	-
Malaysia	2.3	1	Germany	6.5	-
Belgium	2.1	1	Vietnam	3.6	-
Taiwan	1.8	1	Thailand	2.8	-
Italy	1.4	1	UAE	2.7	-
USA	1.1	1	Taiwan	2.6	-
<b>Total of top 10 countries</b>	<b>156</b>	<b>96</b>	<b>Total of top 10 countries</b>	<b>117,298</b>	<b>99.9</b>
<b>Total of all countries</b>	<b>163</b>	<b>100</b>	<b>Total of all countries</b>	<b>117,305</b>	<b>100</b>

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

## ★ PRODUCT OF THE MONTH

### OPPORTUNITIES FOR INDIAN EXPORTERS

Indian manufacturers and merchant exporters of this product (textile fabrics treated with plastics) have tremendous export potential in Australia, Cambodia, Canada, Indonesia, Japan, Russia, Thailand and Vietnam.

**Cambodia** is another potential market as it is one of the top 10 importers of this product and it offers 2% margin of preference over its MFN of 7% for Indian exporters under the ASEAN agreement.

**Indonesia** is another ASEAN country which offers duty preference of 5% against its MFN of 10% to Indian exporters under the ASEAN agreement. It is also the 11th largest importer in the world.

Apart from the above countries, India can also explore export opportunities to **Thailand, Japan** and **Australia** which impose nil import duty on this product due to our trade agreements with them.

**Vietnam** is the topmost importer of this product in the world and it imposes preferential duty of 6% under India's ASEAN trade agreement as against MFN duty of 12%.

**Canada** have 0% MFN duty on this product and India has reasonable export potential for this product.

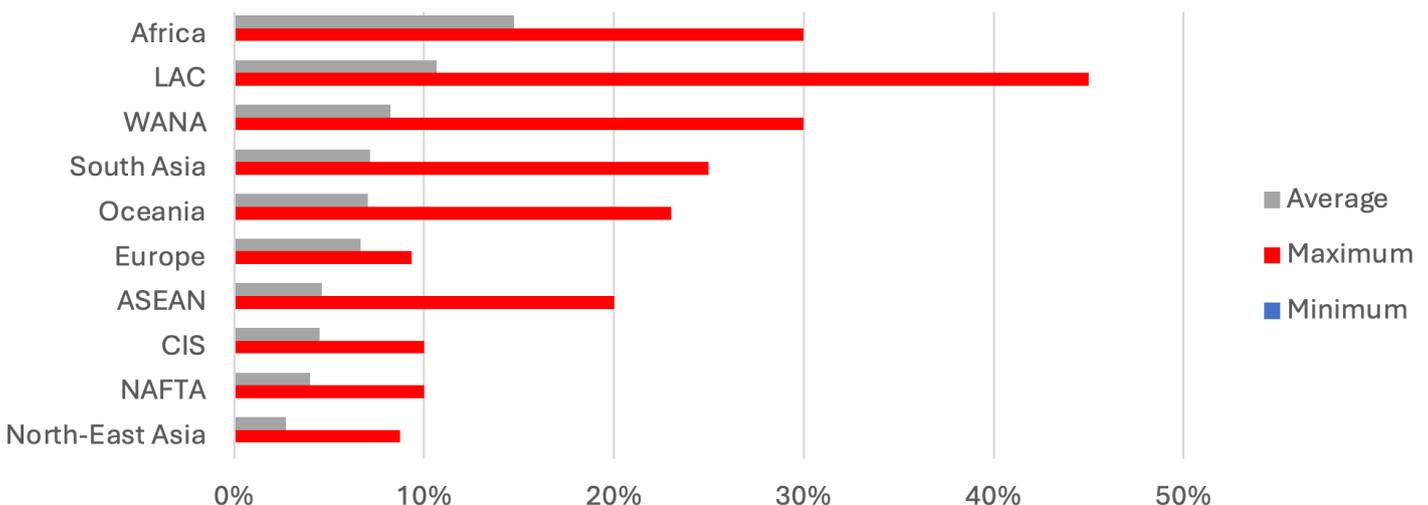
**Russia** is another market with substantial export potential for India even though the country applies 5% MFN duty on the product.

Unfortunately, countries in Africa, Europe and CIS region do not accord any preferential treatment to plastics treated textile fabrics imported from India due to which the average customs duty faced on this product is high.

Even though Sri Lanka, Mauritius, Bhutan and Maldives impose nil duty, they are not major importers of this product and hence export potential is limited.



Effective tariff applied by various regions on import of textile fabric treated with plastics from India



Source: Market Access Map, Plexconcil Research

# Contacts and Contracts: It all starts at



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## MR. ARIF QURESHI

### Managing Director, Innoweave Packaging

**1. Innoweave Packaging solutions today is an established manufacturer and exporter of poly woven products. What has been the key drivers of success.**

Innoweave Packaging Solutions Private Limited, was established in 2013 with an ambition of integrating strategic material handling and sustainable quality products to meet world's urgent mandate of reducing carbon footprint. With this vision we have strived to put all efforts on extracting the most from every available resource with a focus on getting the best properties from materials that we use in our production. The idea, since inception, was to deliver a sustainable product which delivers better, or at least similar, physical and technical properties, while reducing polymer consumption. This has given us a dual advantage in the market.

On one side our product was assisting global giants in reducing their carbon foot prints and on the other we were competitive too.

This goal wasn't easy to accomplish and that too for a "start-up" which did not have access to resources as much as the larger players. However, powered by a belief that the best is yet to come, we were able to circumvent all barriers. By embracing innovative processes, we were able to redefine conventional Poly Wovens' manufacturing practices

It did take time and some initial failures which eventually guided our way ahead. Gradually we came up with products that were well received and appreciated in market. Our breakthrough product was the one that passed all technical and operational requirement, won us the trust in the market. And was difficult for competition to replicate. It has pushed us way ahead in the market. Apart from being the turning point for our organization this product success helped us secure larger long-term contracts for supplies and new product development assignments. //

**2. You have quite a diverse product range. Right from Jumbo bags to Container liners to Poly woven bags, to Garden Bags & Geo Textile Fabric. Which are the key areas of focus in light of the future growth potential?**

Well, we do have a very diversified product portfolio, in fact we have more in our basket than what generally appears. We are currently focusing on FIBCs as we believe that it has immense opportunities for growth. In order to grow multi-fold in this product segment, we are in the process of acquiring international accreditations for our production facility like BRCGP, ISO 22000 and alike. With these accreditations, we would be targeting to tap the potential of "Direct food contact" Packaging segment. FIBC is a very labour intensive and labour dependent product. India has pool of very skilled labour and a large amount of population is yet to acquire professional skills training.



Understanding this demographic dividend of our country, we are providing skill training to new and current employees. With added talent, we target to attract global markets with our hygienically produced products that meet global standards. No other country can make FIBCs to the scale India can and we understand this potential. It is the reason FIBCs continues to be our growth engine and our focus.

There have been many challenges in achieving this world class hygienic close room dust free infrastructure and moreover making every individual in organization understand that we are an important part of global food supply chain. The coffee beans grown in Latin America becomes the drink of the day in Europe, the Basmati rice cultivated in India, settles in lunch platters around Middle East and Almonds of California provide nutrition throughout the world. We know that there is a gap in bulk packaging of

## INTERVIEW OF INDUSTRY LEADER

this global food supply chain, and that isn't due to deficiency of main product but it largely faces challenges in bulk packaging. We aim to reduce the prevailing gap between demand for bulk packaging of eatables and supplies of FIBCs. //

### 3. Are there any plans to further diversify your product range?

Yes, diversification has been the core strength of our organization, since inception, we have produced all those products that were possible but still were not being supplied. Right from packaging to horticulture, from infrastructure to soil erosion control, from water reservoir to building construction, we have products for every application. We are diversifying into newer areas. We would be amongst few from India to be a listed supplier for building construction products in North America. In order to accelerate our growth and diversify our product range in building construction, we are going for global collaborations both in manufacturing sector as well as in the distribution network. We are OEM for some of the global "Fortune 500" companies in this sector.



There have been some specialized products that so far has been a monopoly of China. We are developing technology and infrastructure to come up with these products and establish an Indian brand in these markets and product segments too. //

### 4. What are salient innovations the company has adopted in sourcing, quality control and manufacturing, over the last few years?

Right from the inception of the company, innovations in Poly woven was our primary focus, thus the company was named Innoweave i.e. Innovative Weaving. Poly woven industry is very dynamic and its dynamism comes from both textile engineering and polymer science.



With a blend of advance textile engineering, optimization of polymer science and integrating it with process atomisation, we are able to produce some very specialized products that are yet unique in the global market place. We use some very specialised imported polymers as product enhancer that enables us to come up with the most relevant offering in market. For achieving desired results & continuously improve our products, we have made some advance customizations in our machines and have added niche technologies, which were not being used in Poly woven. We have designed various equipment and machines for captive consumption that has assisted us in either eliminating a production process or have helped facilitate clubbing of two work stations into one.

Quality has been our forte. We take pride in sharing that we haven't faced any rejection in market, over the last decade, since inception. Our stringent quality control procedures and lab equipments have been of great assistance in our error free operations. We have one of the most advanced and highly equipped QA, has the capability for R&D and new product development. There has been a myth in poly woven industry that not much is left to innovate. Through continuous efforts we have been able to break the myth and come up with innovative products that are sustainable and adhere to highest quality standards. //

## INTERVIEW OF INDUSTRY LEADER

### 5. Do you have any plans to expand and upgrade your current manufacturing infrastructure?

Yes, we do have plans in place for both upgradation of existing facilities and further expansion. We are currently focusing on serving food grade Jumbo bags' requirement and for that we are currently upgrading our FIBC manufacturing facility. Under the upgradation plan, we are adding to our infrastructure by providing space for necessary hygienic practices for employees before getting on the shop floor. Fresh 5 micron filtered air will be circulated in our fully Air cooled manufacturing plant. Entire facility would be a dust free clean room operations, where FIBCs for direct food packaging would be manufactured.

Parallely, we are working on expanding our business in technical textile segment, wherein we are coming up with a new facility with state-of-art modern plant & machinery that would be sourced from the world's most prominent suppliers. This expansion would help us grow our business in some niche markets that currently consumes some super specialized products where China has a strong hold. With this addition, we shall be able to accelerate our growth, add further talent and most importantly would be able to increase India's share in those niche markets. "

**"WE HAVE SUCCESSFULLY REDUCED POLYMER CONSUMPTION IN OUR PRODUCTS WITHOUT ANY COMPROMISE WITH PRODUCT'S TECHNICAL REQUIREMENTS, SAFETY AND PERFORMANCE."**

### 6. What steps are you taking to make your output more conducive to sustainability norms that are becoming more stringent?

Valuing every substance is first step to sustainability, saving on resources and energy follows. Not using resources at first place is prime sustainability goal at Innoweave. The most sustainable product is the one which has same functionality with less material - Make more from less. Less material, less power, less waste, will help reduce carbon footprint and take us towards greener tomorrow.

Waste avoided at first place is value enhancement. When we avoid wasting, we reduce our material consumption, reduce our power consumption and reduce our manpower consumption, thus minimising resources utilization and delivering most optimum product at right price. Sustainability is at the core of what we do at Innoweave.

With our innovative approach, we have successfully reduced polymer consumption in our products without any compromise with product's technical requirements, safety and performance. Simply put, the products that we have been supplying to our valued customer have curtailed there carbon foot print and have assisted them achieve there sustainability goals.

Our customer, who were, let's say, importing 100 MT of products to complete a task, now with our sustainable offerings are able to do the same with about 95 MT of products. That is a straight 5% savings and that's just not on polymers only but this has also curtailed carbon emission from allied activities like fuel and energy being consumed in manufacturing, supply chain and application. We further remain dedicated to our R&D in this area and firmly believe that more is to be extracted.

Further, we are engaging ourselves in Solar energy production where we are collaborating with Government / Semi Government bodies for supply of green energy to remote locations. "



## INTERVIEW OF INDUSTRY LEADER

### 7. How many countries do you export to & which region gives you the most revenue? Which is the next high potential market you would like to venture into?

So far we have exported our products to more than 35+ countries and I would say that every region has contributed uniquely in our growth. For a company like us with diversified product portfolio, product mix a diversified export market footprint serves the purpose better and gives us higher yields. So it's not just about revenue but a holistic expansion. For us, every market is important and we are deploying our efforts to serve and cater to any global opportunity.

However, the expansions and the product diversifications that we are doing is based on our commitments towards Northern American territory. US is a great nation that comes with one of the finest market place. US market values the time and effort deployed in R&D, product development and innovations - no matter how big or small they do remain associated with products, they believe in.

Having said that, we remain dedicated to serve every corner of the world. In the near future we would be exploring relationships in Japan, Australia, Brazil, Saudi Arabia and some other African countries. //

The biggest challenge Indian manufacturers face is being competitive against its arch-rival, in trade, China. Due to transportation infrastructure, electricity quality and costs. On infrastructural front, we are making progress but still we need to prioritise export related infra development. Many a times, due to deficiencies (delays) in transportation, lack of space availability at ports and congestions at port gates, containers are shut out, which directly affects the service quality (timely delivery) of exporters in market. Not only do they fail in delivery commitments in the market, they are slapped with high buffer yard storages cost, shipping line demurrage and detention costs, increased freight cost etc.



Thus there is an immediate requirement for developing infrastructure to eliminate these. Foreign buyers do often take this in account before entering in any time sensitive business with Indian exports and a good portion of such sensitive business is lost. The export community is anticipating and hoping that the Indian government will bring in some constructive changes to make things better on this front.

Another challenge which exporters from almost all part of the country faces is higher electricity cost along with poor, interrupted, inconsistent electricity supplies. Almost all manufacturers faces unwanted power cuts and fluctuating voltage problem. There is a lack of preventive maintenance and often in monsoon and summers, the exporters face issues in managing its throughput on one hand and manufacturing costs on other. The cost of electricity in India is almost double to that in China and quality of supply is not comparable. This affects the cost of manufacturing and is a reason behind failure of some ambitious projects. We have seen huge plants running on DC sets which is not sustainable. This is an area, where government(s) must come up with policy to safe guard exporters.

While commenting on external trade barriers, the reciprocal tax introduced by US is not good and would affect many areas where Indian products have strong hold and potential. However as advance discussions are going on we are hopeful of getting better placed in that.



### 8. What would be your suggestion to make our export policy more seamless. Have you faced any barriers over the years.

I would like to break this in two parts, internal trade barriers and external trade barriers. Internal trade barrier means the challenges poised to manufacturers within India due to internal policies. Current export policy is appreciable, however it still needs some measures to make it more conducive for exporters to be competitive on global platform.

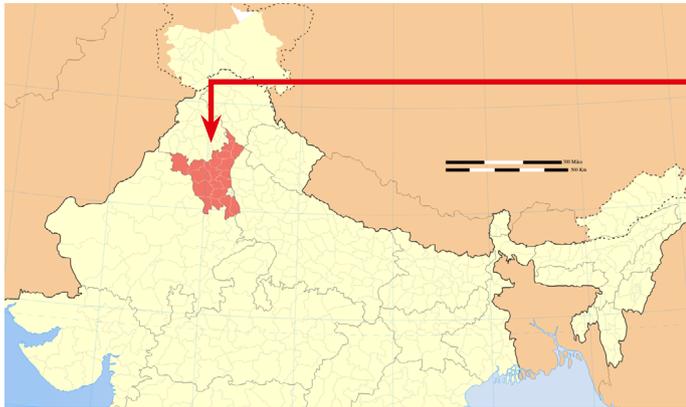
## ★ INTERVIEW OF INDUSTRY LEADER

Apart from this, we regularly face issues with EU countries where due to HS code difference Indian products are attracting additional duties in comparison to others. Specially, in EU countries, Bangladesh get preferential rates and other advantages. //

**9. India has signed an FTA with UK. Many more are likely in the future. How do you see them impacting your business.**

These FTAs are benefiting us and more FTAs would give us better trade opportunities. These FTAs would put India ahead in world trade. The FTA with UK, UAE has opened door for us and with changing global business environment, we would like to see more such FTAs, categorically with large importing nations like USA, European countries, Saudi Arabia, Brazil and others. //





# HARYANA:

## EXPORTING EXCELLENCE, EMPOWERING GROWTH.

### STATE PROFILE

Haryana is a landlocked state in northern India, bordered by Punjab, Himachal Pradesh, Rajasthan, and Uttar Pradesh, and it surrounds the national capital, Delhi, on three sides. Spanning an area of approximately **44,212 sq. km**, the state comprises **22 districts**. Though it lacks a seaport due to its inland location, Haryana enjoys strategic connectivity to important ports like **Jawaharlal Nehru Port (Maharashtra)** and **Mundra Port (Gujarat)** through robust road and rail networks, especially via the **Western Dedicated Freight Corridor**.

Economically, Haryana is one of India's most industrialized and prosperous states. It is a national leader in **automobile manufacturing, engineering goods, textiles, agri-products, and IT services**. The state houses major industrial hubs like **Gurugram, Faridabad, Manesar, and Panipat**, and contributes significantly to India's export basket, particularly in auto components, scientific instruments, processed foods, and handloom products. Haryana's proactive industrial policies, skilled workforce, and proximity to Delhi NCR make it a key player in India's export-driven growth.



### OVERVIEW OF THE PLASTICS INDUSTRY IN HARYANA

Haryana ranked 5th in India for plastics exports in 2023-24, with exports valued at USD 580 million and a market share of 5.0%. During the period Haryana ranked as the fifth- largest state exporting PLEXCONCIL products.



Panel wise, exports from Haryana for the past two years.

Product Panels	2022-23	2023-24	Growth
	(USD Million)		%
Consumer & Houseware Products	42.6	50.4	+18.3
Cordage, Fishnets & Monofilaments	1.9	2.5	+30.2
FIBC, Woven Sacks, Woven Fabrics, Tarpaulin	3.5	6.6	+87.8
Floorcoverings, Leathercloth & Laminates	43.6	47.1	+7.9%
FRP & Composites	17.3	19.0	+9.6%
Human Hair & Related Products	24.9	47.3	+89.9
Medical Items of Plastics	273.1	274.1	+0.4
Miscellaneous Products & Items Nes	9.0	8.9	-1.5
Packaging Items - Flexible, Rigid	23.3	15.8	-32.0
Plastic Films & Sheets	27.7	33.2	+19.7
Plastic Pipes & Fittings	6.1	7.2	+18.6
Plastic Raw Materials	56.3	67.4	+19.6
Writing Instruments & Stationery	0.5	0.3	-25.9
	<b>529.8</b>	<b>579.7</b>	<b>+9.4%</b>

Source: DGCIS, Plexconcil Research

Plastics exports during FY 2023-24 was valued at USD 580 million as against USD 530 million during the same period last year, registering an increase of 9.4%

### Positive Growth in Key Product Panels:

Several product panels demonstrated resilience and reported growth in exports during FY 2023-24. Notable among these was **Human hair and related products with 90% growth**. Additionally, Plastic Raw Materials, Consumer & Houseware Products, Plastic Films and Sheets, Floorcoverings, Leathercloth & Laminates and FIBC, Woven Sacks, Woven Fabrics, Tarpaulin contributed to the overall upward trend.

### Challenges in Specific Segments:

Despite the strong performance in several product panels, some segments faced challenges such as Packaging Items - Flexible, Rigid; Writing Instruments & Stationery and Miscellaneous Products and Items Nes witnessed a decline in export growth.



## STATE PROFILE

### TOP 10 ITEMS OF PLASTICS EXPORT FROM HARYANA

Haryana's 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 411 million, account for a significant share (70%) of the state's total plastics exports during FY 2023-24.

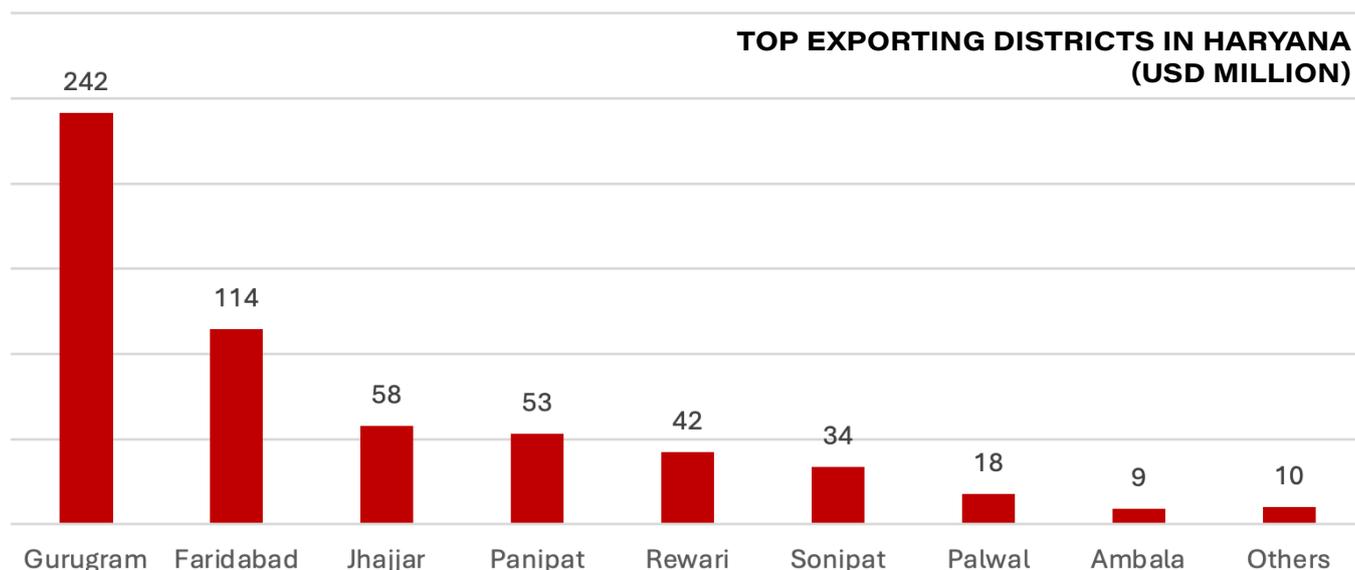
**Below are the top exporting plastics products:**

Product description (HS Code)	Value of Exports (US\$ Mn)
Cannulae (90183930)	98.9
Spectacle lenses of materials other than glass (90015000)	76.3
Human hair, dressed, thinned, bleached or otherwise worked; wool, other animal hair or other textile materials (67030010)	47.3
Syringes, with or without needles, used in medical, surgical, dental or veterinary sciences (90183100)	33.7
Catheters for urine, stool (90183910)	30.6
Decorative laminates (48239019)	30.1
Spectacles, goggles and the like, corrective, protective or other (90049090)	23.7
Polyethylene with a specific gravity of $\geq 0,94$ , in primary forms (39012000)	19.8
Articles of plastics and articles of other materials of heading 3901 to 3914, n.e.s: Other (39269099)	18.9
Safety headgear, whether or not lined or trimmed (65061090)	17.3

**Source:** DGCIS, Plexconcil Research

### DISTRICT WISE PLASTIC EXPORTS

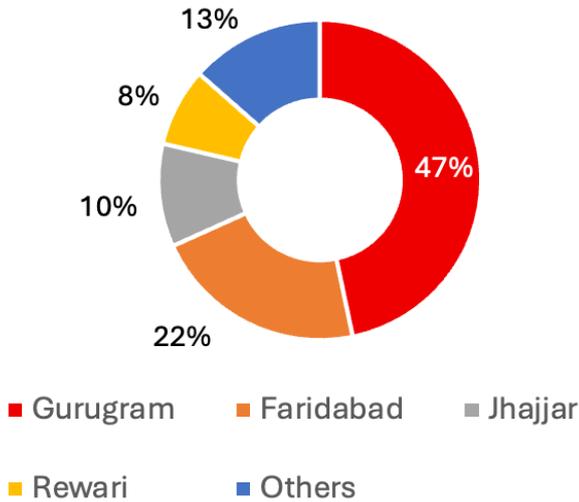
During 2023-24, Gurugram, Faridabad and Jhajjar were the three major exporting districts of Haryana.



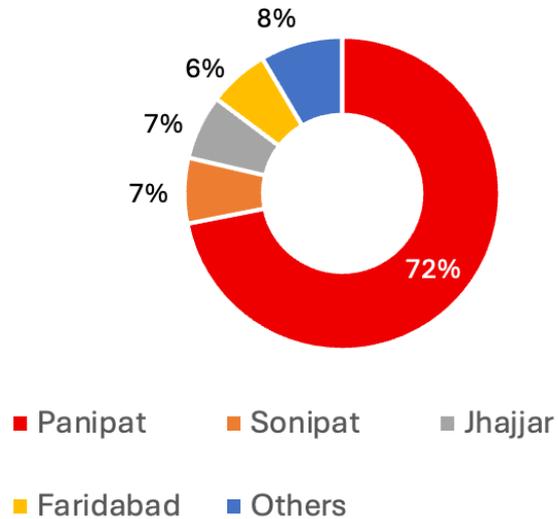
**Source:** DGCIS 2023-24, Plexconcil Research

**KEY DISTRICTS LEADING THE EXPORT OF VALUE-ADDED PLASTIC AND PLASTICS RAW MATERIALS FROM HARYANA**

**Top Districts Exporting Valued Added Plastics**



**Top Districts Exporting Plastics Raw Materials**



Source: DGCIS 23-24, Plexconcil Research

**BOOSTING HARYANA'S EXPORT SECTOR**

Haryana is enhancing its export potential by investing in industrial infrastructure, expanding logistics connectivity through the Dedicated Freight Corridor, and promoting export-oriented manufacturing clusters in sectors like automobiles, textiles, agri-products, and engineering goods. The state is also supporting MSMEs with skill development, incentives, and trade facilitation services, while leveraging its proximity to Delhi NCR to attract global buyers and improve ease of doing business. This will also help in:

**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 HARYANA**

PLEXCONCIL has around **60 members from the state of Haryana**. It maintains an office in **New Delhi** to cater to the members based in Haryana.

**THE PLASTICS EXPORT PROMOTION COUNCIL**

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# SENEGAL



## ECONOMIC OVERVIEW

Senegal is Located in Western Africa, bordering the North Atlantic Ocean between Guinea-Bissau and Mauritania, Senegal spans approximately 196,722 sq km and has a population of about 18.7 million. Its economy is anchored by a diverse mix of sectors, with services, industry, agriculture, mining, fishing, and tourism underpinning output.

The services sector—covering trade, transport, communications, government, and real estate—contributes roughly 49% of GDP, while industry (including mining, oil and

gas, and construction) accounts for about 24%, and agriculture comprises around 17%. In 2024, Senegal posted a robust 6.0% GDP growth, building on strong gains driven by oil extraction and expanding services.

As of June 24th, 2025, Moody’s rates the country at B3 with a Negative outlook, S&P assigns a B rating with a Negative outlook, and Fitch maintains a B- rating with a Stable outlook.

Economic Indicators		2022	2023	2024
Nominal GDP	USD Billion	27.7	30.7	33.7
Nominal GDP per Capita	USD	1569	1703	1805
Real GDP growth	%	4.0	4.6	6.0
Total Population	Million	17.7	18.2	18.7
Average Inflation	%	9.7	5.9	1.5

Source: IMF

Economic Indicators		2021	2022	2023
Total Merchandise Export	USD Billion	8.3	12.1	11.9
Total Merchandise Imports	USD Billion	4.5	5.7	5.3

Source: Trade Map



## COUNTRYSCAPE

Senegal is an active participant in several key regional trade agreements that aim to enhance economic integration and promote trade across Africa. As a member of the African Continental Free Trade Area (AFCFTA), Senegal benefits from expanded market access and reduced trade barriers across the continent. Additionally, its participation in the Economic Community of West African States (ECOWAS) and the West African Economic and Monetary Union (WAEMU) supports regional cooperation, facilitates the free movement of goods and services, and encourages investment within West Africa.



## TRADE OVERVIEW

India and Senegal share a warm and cooperative relationship, underpinned by growing economic and commercial ties. Bilateral trade between the two countries reached USD 1670 million in 2024. During this period, India's exports to Senegal were valued at USD 969 million, while imports from Senegal stood at USD 701 million.

The major items of export (2-digit HS) from India to Senegal are Rice (USD 252 million), Cotton (USD 108 million) and Pharmaceutical Products (USD 72 million). The major items of import (2-digit HS) from Senegal to India are Phosphoric Acid (USD 462.4 million), Cashew Nut (USD 90.5 million) and Waste and scrap of Iron and Steel (USD 26.7 million).

During 2024-25, for products that come under the purview of PLEXCONCIL, the trade is in favor of India with exports of USD 509 million to the United Kingdom while imports from the United Kingdom stand at USD 159 million.

During 2024, for products that came under the purview of PLEXCONCIL, the trade is in favor of India with exports of USD 50 million to Senegal while imports for Senegal stand at USD 0.1 million.

### The major items of export to Senegal are:

- 🔴 FIBC, Woven sacks, Woven fabrics, Tarpaulin (24.2%)
- 🔴 Plastic films and sheets (23.1%)
- 🔴 Consumer & houseware products (17.4%)

In 2023 Senegal's annual plastics imports were valued at USD 383.8 million approximately. Its plastic imports are largely catered to by China (19.1%), France (11.0%) and USA (7.8%). India's market share in Senegal's plastics imports is significant (5.7%).

## EXPORT POTENTIAL FOR INDIA

Based on our internal research in 2023, India's export of PLEXCONCIL member products to Senegal has the potential to grow by USD 336 million. Details of product panels and their export potential to Senegal are provided below.

Product Panel	Senegal's import from India	Senegal's imports from world	India's export to world	Trade Potential
	USD Million	USD Million	USD Million	USD Million
Plastic raw materials	4.4	156.1	2,903.1	140.4
Plastic films and sheets	11.6	47.7	1,683.0	37.9
Medical items of plastics	2.6	37.5	1,163.2	35.0
Packaging items - flexible, rigid	4.1	37.8	605.0	33.7
Consumer & houseware products	6.8	34.6	1,657.0	28.6
Plastic pipes & fittings	2.0	26.5	278.7	24.5
FIBC, Woven sacks, Woven fabrics, Tarpaulin	8.6	18.1	1,298.8	13.1

Source: Trade Map 2023 (Plexconcil Research)



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.

## FINDING SOLUTIONS: Painted Plastics Recycling in Automotives

*Source: Plastics Engineering*

Automotive plastics pose one of today's biggest recycling challenges and hold the key to tomorrow's circular economy solutions. The automotive industry's use of plastics is growing, bringing both benefits and challenges for sustainability. Plastics like PP make vehicles lighter and more fuel-efficient. However, recycling them, especially when painted, can be complex. Automotive plastics pose one of today's biggest recycling challenges and hold the key to tomorrow's circular economy solutions.

### | The Paint Problem in Plastic Recycling

Paint coatings on automotive plastics serve essential protective and aesthetic functions during a vehicle's life. However, they become problematic at the end of life. Traditional paint removal methods each have significant drawbacks. For instance, chemical stripping generates hazardous waste streams that require careful disposal. On the other hand, mechanical abrasion can damage the polymer substrate or leave residual contaminants. Thermal processes risk degrading the plastic's molecular structure. Even advanced methods like supercritical fluid extraction, while effective, prove energy-intensive for large-scale applications.

To address these challenges, emerging solutions draw inspiration from unexpected sources. Researchers in Japan use compressed carbon dioxide, similar to decaffeinating coffee, to gently lift paint layers. Meanwhile, a German startup has developed an electrochemical method that immerses painted plastic parts in a specially formulated electrolyte solution. By applying precise electrical currents, this technique breaks the bonds between the paint and the polymer without damaging the base material. These innovative approaches aim to overcome the limits of traditional methods while integrating with existing recycling infrastructure, spurring further advances in mechanical processing.



### Beyond Traditional Chemical Recycling

Pyrolysis is often the main focus in chemical recycling, but new methods are emerging for recycling painted plastics. One method, catalytic hydrothermal processing, uses hot water to break down paint while keeping the polymer intact. Another method is plasma-assisted recycling. This process uses electrical discharges to target paint bonds without damaging the plastic. Moreover, bio-catalytic recycling uses engineered enzymes to break down specific paint chemistries under mild conditions.

These new recycling methods use far less energy than traditional approaches. For instance, a Canadian company's microwave-based system recycles painted car bumpers while using 40% less energy than standard methods.



### Role of Design Innovation

The industry is redesigning vehicles to improve end-of-life recovery. For example, BMW's 2024 i5 uses a water-soluble paint system that removes with 80°C heat instead of chemical strippers, reducing paint removal energy by 60% while protecting the base materials.

Moreover, the new approach to component architecture is transforming the industry. Manufacturers are replacing permanent adhesives with unified polypropylene matrices and stainless steel quick-release fasteners.

The next decade will bring hybrid recycling systems that merge mechanical, chemical and biological processes. Smart plants using AI will automatically adapt to different material streams, while new business models will integrate recycling into vehicle design. These converging solutions will transform plastic waste into valuable resources. The future lies not in choosing one technology, but in combining approaches - from bio-based stripping to AI sorting - to create truly circular automotive materials. As these innovations mature, they'll turn sustainability challenges into opportunities, closing the loop on automotive plastics through integrated, intelligent systems.

## NEXT GEN RECYCLING:

### The Challenge and Promise of Nylon 66 Recycling

Source: *Plastics Engineering*

Technological breakthroughs promise to revolutionize nylon recycling and drive material circularity across industries. Global production of Nylon 66 reaches nearly 4 million tonnes each year. It is widely used in performance apparel and industrial sectors. However, almost two-thirds of textile waste is incinerated in landfills, and less than 1% is recycled. The complex chemical structure of nylon makes it difficult, leading to high environmental impacts and continued reliance on virgin plastics from fossil fuels.

#### The New Wave

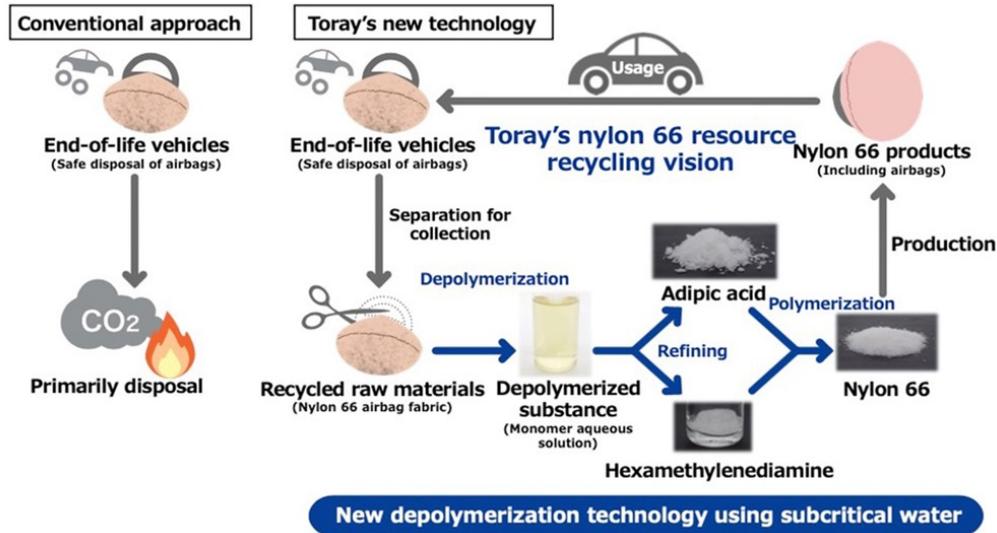
Fortunately, a new wave of innovation is changing this landscape. Regulations and consumer demand for sustainability drive the need for carbon reduction and plastic waste minimization. Companies are pioneering recycling solutions, including chemical and enzymatic processes. These new technologies redefine nylon's role in a circular economy by offering promising pathways for effective recycling.

#### The Innovation

Toray Industries is leading in chemical recycling through a water-based innovation that uses subcritical water to break down nylon 66. This state of water exists at high

temperature and pressure, just below the critical point, enabling efficient depolymerization. Their method precisely controls reactions to suppress unwanted side products and recover hexamethylenediamine and adipic acid at high yields. These monomers are then polymerized into high-quality nylon 66 that matches virgin material.





## The Demand

The demand for nylon 66 is around 100,000 metric tons annually in Japan and 1.3 million tons worldwide. Applications include automotive textiles such as airbags, tire cords, and plastic components like radiator tanks and oil pans. Tighter recycling regulations in Japan have made collecting nylon 66-based products mandatory, making chemical recycling more attractive.

Toray's technology cuts carbon dioxide emissions by half compared with petroleum-based production, supporting carbon reduction targets. The company aims to focus first on automotive materials. They plan to verify quality by 2025 and achieve full-scale mass production around 2030. This initiative supports the Toray Group Sustainability Vision for 2050, which emphasizes sustainable resource management and carbon neutrality.

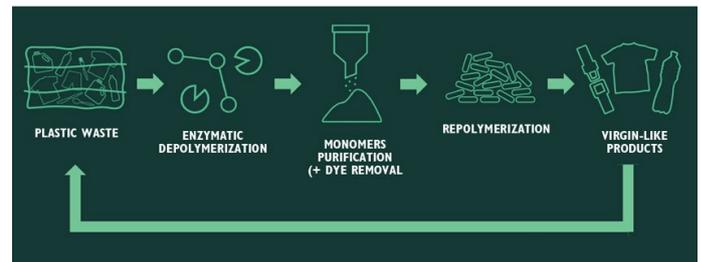
## Biological Solutions

While Toray leverages chemical processes, Samsara Eco turns to biological solutions. Their EosEco platform uses specially designed enzymes to break down nylon 6 and nylon 66 effectively.

These enzymes can recycle mixed fibers, colored textiles, dyed materials, and fabrics blended with spandex, without losing material quality. Their innovation arrives when almost all synthetic textiles are still made from carbon-intensive fossil fuels.



By enabling infinite recycling cycles, Samsara Eco aims to eliminate the reliance on virgin plastics and minimize textile waste. Paul Riley, CEO of Samsara Eco, emphasizes the urgent need to reuse materials already in circulation to protect the planet. Additionally, Samsara Eco plans to collaborate with customers in the textile and automotive sectors. They will trial the new enzymes at their innovation campus in Jerrabomberra, New South Wales, which is set to open by mid-2025.



## A Catalyst for Change

A strong pattern emerges across these innovations. Each company addresses different recycling challenges and contributes to a broader circular economy. Chemical methods work efficiently for certain material streams. Enzymatic approaches provide precision for complex, colored, and blended textiles. On the other hand, mechanical recycling remains useful for simpler waste streams.

In conclusion, nylon's journey from environmental liability to a circular resource reflects a significant industrial transformation. These innovations demonstrate how creativity, collaboration, and technology can renew even the most challenging materials. Through combined efforts across companies and sectors, nylon is not just recycled, it is reborn as a model for circularity in a more conscious world.

# Inventory Management Trends in PLASTIC PACKAGING

Source: *Plastics Engineering*

Inventory management stands at the core of operational excellence in the polymer packaging industry. Inventory management remains critical for success in the polymer packaging industry. Fluctuating demand, short product life cycles, and tight customer deadlines constantly pressure manufacturers. Companies that manage inventory efficiently can reduce costs and gain a competitive advantage.

## Insights

A recent analysis of inventory practices across the polymer packaging sector highlights essential insights. Companies struggle with outdated methods, poor forecasting, and inefficient storage systems. These challenges create excessive costs, production delays, and customer dissatisfaction. However, several strategies show clear potential to overcome these problems and improve performance.

## Key Challenges in Polymer Packaging

Polymer packaging companies face a complex environment. Demand changes rapidly because of shifting customer preferences and regulatory updates. At the same time, products often have short life spans, especially in the food and medical packaging sectors. Managing inventory in this setting demands a flexible and responsive approach.

**Recent studies point out several weaknesses in current practices like:**

- Reliance on manual tracking systems.
- Leads to errors, limited visibility, and slow response times. Stock outs and overstock situations
- Poor demand forecasting. Can hurt profitability and disrupt customer relationships.
- Material shelf life also plays a significant role in inventory challenges
- Many polymers, especially bio-based and biodegradable resins, degrade over time.
- Poor storage conditions speed up oxidation, hydrolysis, or UV damage, making the material unsuitable for production.



## Practices That Deliver Results

Despite these challenges, some strategies stand out as effective tools for better inventory management. Lean inventory techniques, for instance, offer real benefits. By focusing on waste reduction, companies can streamline operations and maintain lower inventory levels without sacrificing service quality. Methods like Kanban systems or Just-in-Time replenishment minimize holding costs while supporting production flow.

**Automation also plays a critical role.** Companies that implement automated inventory tracking gain real-time visibility over stock levels. Barcode scanning, RFID systems, and centralized inventory platforms allow faster decision-making and reduce human error.

**Advanced systems now track material lot details,** which is essential for polymer packaging. Companies can meet food safety, medical, and sustainability standards by monitoring resin batches, additives, and recycled content.

Another key practice is **integrating inventory systems** with sales and production planning. Sharing real-time data between departments improves cooperation and speeds up responses to demand changes

**Supplier relationships matter as well.** By building strong partnerships with suppliers, companies can reduce lead times and minimize the need for large safety stocks.



### New Trends to Watch

Digital technologies are changing inventory management in the polymer packaging industry. They make processes faster, more accurate, and more efficient. Predictive analytics based on big data can improve demand forecasting accuracy.

Machine learning algorithms identify patterns that human planners might miss, allowing more precise inventory adjustments.

Sustainability trends are also shaping inventory practices. Companies are focusing more on reducing waste throughout the supply chain.

The circular economy approach urges companies to consider inventory across the entire product life cycle. For companies that supply reusable polymer packaging, managing returns, recycling, and reusing materials becomes a key part of the inventory strategy.

New inventory systems can now track recycled material input rates. For companies making PCR (post-consumer

resin) packaging, tracking the recycled content in each lot is crucial for meeting regulations and fulfilling sustainability commitments.

Another key improvement is temperature—and humidity-controlled warehousing. Sensitive polymers like PLA or EVOH thrive in climate-controlled environments, which helps extend shelf life and maintain consistent material properties during processing.

### Building Resilient Inventory Systems

Managing inventory in the polymer packaging industry requires more than traditional methods. Today's market demands flexible, technology-driven strategies oriented towards the customer.

By using lean practices, adding automation, connecting systems, and collaborating closely with suppliers, companies can gain a strong advantage in inventory management.

## Innovations in PLASTIC RECYCLING (BIOPLASTICS)

Source: Waste Managed

Plastic waste has become an urgent global challenge, necessitating innovations in plastic recycling and repurposing. From ecobricks to plastic roads and 3D printed furniture, these innovations demonstrate the transformative power of creative solutions in tackling the plastic waste crisis.

### Sustainable Alternatives

Bioplastics have emerged as an exciting innovation in plastic recycling, offering sustainable alternatives to traditional petroleum-based plastics.

These biodegradable or compostable plastics are derived from renewable sources such as cornstarch, sugarcane, or algae.

In recent years, advancements in bioplastic technologies have allowed for improved durability, functionality, and reduced production costs.

Some companies are even developing bioplastics that can be recycled alongside conventional plastics, enabling a smoother transition toward more sustainable plastic materials.



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## ↑ UFLEX LAUNCHES:

Single pellet solution for use of recycled PET for FMCG companies.

Source: *The Hindu Business Line*

This comes at a time when packaged food and beverage companies need to mandatorily use 30 per cent recycled PET content in their packaging in FY26

Leading flexible packaging solutions company, UFlex on Thursday said it has launched an FSSAI-compliant single-pellet solution for the use of Recycled PET in food and beverage packaging. This comes at a time when packaged food and beverage companies need to mandatorily use 30 per cent recycled PET content in their packaging in FY26. The company recently said it will be investing INR 317 crore in two new recycling plants in Noida.

The company said that this innovative product integrates recycled PET with virgin PET in a single pellet of high purity with mechanical and thermal stability. "The packages produced from this resin are of high clarity, strength, and lower acetaldehyde content. Importantly, this resin solution is compatible with existing PET manufacturing lines enabling a seamless transition to rPET without investing in any new infrastructure," it added.

Ashish Saxena, Joint President - Packaging Films Business, UFlex Limited, said, "the single-pellet solution will be a game-changer for food and beverage brands striving to meet EPR compliance under the new FSSAI guidelines."

He added, "Our recent announcement of INR 317 crore investment in two new recycling plants in Noida is a strong reaffirmation of our commitment to India's plastic waste management vision. As regulations become more robust, we aim to set the benchmark for responsible production and scalable, sustainable packaging solutions in India and beyond."

UFlex said it has received USFDA approval for its technology and capacity to recycle all three materials: recycled polyethylene terephthalate (rPET), recycled polyethylene (rPE), and recycled polypropylene (rPP) for use in food packaging.



## ↑ QUALITY CONTROL

On polypropylene and poly vinyl chloride deferred to June 2025.

Source: *Economic Times*

The Centre has deferred applicability of quality control orders (QCOs) on Polypropylene (PP) Materials for Moulding and Extrusion, and Poly Vinyl Chloride (PVC) Homopolymers. Quality control on these chemicals will now be applicable from June 24, 2025. This is the third amendment to QCO for these chemicals. Quality control on these chemicals were to be implemented from December 24, 2025.

Once enforced, import and sale of non-BIS compliant PP and PVC will be prohibited.

Both PP and PVC find applicability across various sectors. In moulding, PP can be used to create complex shapes for products like automotive components, home appliances, and packaging. In extrusion, it can be formed into sheets,

films, fibers, and profiles. PVC is used in construction for piping, house siding, and doors and windows. It is also used in the production of plastic bottles, packaging, and bank cards.

The Indian Polypropylene Market size is forecasted to reach \$14.8 billion by 2027, IndustryARC estimates. According to Blueweave Consulting, PVC pipes market in India is expected to reach \$ 269.85 million by 2029.



## ↑ CONSUMER PRODUCT COMPANIES Face challenges in implementing food-grade recycled plastic norms.

Source: *The Hindu Business Line*

Only about five of the 20 r-PET manufacturers have got FSSAI approvals for their facilities so far, say sources. The industry has also urged FSSAI to review guidelines for labelling of r-PET while seeking better alignment between BIS and FSSAI regulations on labelling and logos

According to Association of PET Recyclers (Bharat), the r-PET manufacturers have set up a capacity of close to 4 lakh MT (commissioned) with an investment of about INR 8000 crore, which it expects will increase to 7.5 lakh MT by 2027.



However, only five of the 20 r-PET manufacturers have got FSSAI approvals for their facilities so far, industry players pointed out. Therefore brands are unable to avail this existing capacity completely.

With the regulations for recycled plastic packaging norms coming into effect from April 1, the consumer products industry is facing teething issues in implementation of norms for food-grade recycled PET.

A senior executive at a r-PET manufacturer, who did not wish to be identified, told businessline, "Following the guidelines issued by the Ministry on mandatory usage of 30 per cent recycled food-grade plastic content into PET bottles, several plants have come up in different parts of the country. While some of the plants have received the FSSAI nod, as many as 15 plants are still awaiting clearance from FSSAI, which has been getting delayed. We hope FSSAI will hasten up the process of granting its final nod so that these capacities can come onstream at the earliest. The guidelines have already come into effect as of April 1, 2025 and any further delay in granting the final nod by FSSAI will derail the whole process."

Industry players said that there is a lack of enough supply of FSSAI-approved food-grade recycled PET material compared to the requirements of brands. At the same time, industry stakeholders have also urged the government to align labelling and logo-related guidelines of FSSAI with the environment ministry's Plastic Waste Management rules to prevent "operational confusion."

As per the regulations notified by the Ministry of Environment, Forest and Climate Change, consumer product companies will need to ensure 30 per cent of recycled plastic is used to make Category-1 packaging, which includes rigid plastics used in PET bottles, by FY26.



The industry is therefore seeking some relaxations in terms of requisite targets. Pankaj Uppal, Manager- Public Policy, PACE (PET Packaging Association for Clean Environment), said, “The consumer products industry is fully in alignment with the government on the implementation of the PWM regulations. We are regularly updating MOEFCC regarding the status of the approved capacity. We have requested the Ministry that based on available volume

flow, in terms of r-PET capacity which has been approved by FSSAI, the progressive annual targets can be suitably re-assigned to the obligated brand owners.”

Meanwhile, the industry has also urged FSSAI to review guidelines for labelling of r-PET while seeking better alignment between BIS and FSSAI regulations on labelling and logos.

## ↑ NEW RULE COULD KEEP 3 billion bottles out of landfills every year.

Source: [thebetterindia.com](http://thebetterindia.com)

What if your next bottle wasn't brand new, but a beautiful second chance? With India mandating 30% recycled plastic in all PET bottles, we're closer to turning waste into wonder — one bottle at a time.

Think about the last bottle of water you used. You probably tossed it into the bin without a second thought, like millions of others do each day. But what if that same bottle didn't end up piling in a landfill or drifting through a river? What if it got a new life, as another bottle, a useful product, or something entirely different?

As of April 2025, that vision has started becoming a reality. In a major step toward circular living, the Indian government now requires that all new PET (Polyethylene Terephthalate) bottles contain at least 30% recycled plastic, also known as r-PET. This small shift has powerful ripple effects, encouraging brands, industries, and everyday citizens to rethink how they use, reuse, and value plastic.

### WHY IS THIS RULE A BIG DEAL?

**Helping India stay a global leader in recycling:** India already recycles around 95 percent of its PET bottles, one of the best rates in the world. Yet, much of this recycling downcycles plastic into fibres for clothing and carpets. This new rule raises the bar — encouraging food-grade recycling that keeps plastic truly circular.

**Less plastic, more purpose:** By requiring 30 percent recycled content, the demand for virgin plastic drops. That means fewer carbon footprints and less plastic ending up where it shouldn't be — in our oceans, soil, and food chains.

**Saving energy, saving earth:** Recycling PET uses up to 60 percent less energy than producing new plastic. Less energy means fewer emissions, leading to a cooler, cleaner world for us and future generations.

**Green jobs, real impact:** Think about it: more recycling plants, better logistics, higher standards. This rule could open doors to thousands of green jobs, lifting countless informal waste workers into safer, more stable livelihoods.

**Innovation that touches your life:** This mandate will nudge brands to rethink packaging — leading to smarter, sustainable designs that fit seamlessly into our lives while being kinder to the planet.



## INTERNATIONAL EXHIBITIONS

Sr. No.	Event Name	Date	Month	Year	City	Country
1	3D Print Congress & Exhibition - Lyon	03-05	June	2025	Lyon	France
2	Hanoiplas	04-07	June	2025	Hanoi	Vietnam
3	BIO!PAC 2025 Conference	05-06	June	2025	Online Event	
4	Agritec Africa 2025	11-13	June	2025	Nairobi	Kenya
5	Rosupack 2025	17-20	June	2025	Moscow	Russia
6	Interplas Thailand 2025	18-21	June	2025	Bangkok	Thailand
7	Plastech Vietnam	25-27	June	2025	Ho Chi Minh City	Vietnam
8	Hanoi Print Pack	02-05	July	2025	Hanoi	Vietnam
9	Cambo Plas Print Pack	13-16	August	2025	Phnom Penh	Cambodia
10	Propak Indonesia 2025	27-29	August	2025	Jakarta	Indonesia
11	4th Pha World Congress - 2025 (Hybrid)	03-04	September	2025	Dusseldorf	Germany
12	Propak West Africa 2025	09-11	September	2025	Lagos	Nigeria
13	Vietnam Print Pack	10-13	September	2025	Ho Chi Minh City	Vietnam
14	PRS Middle East & Africa 2025	15-17	September	2025	Dubai	UAE
15	Vietnam Plas 2025	17-20	September	2025	Ho Chi Minh City	Vietnam
16	Plastex Uzbekistan	23-25	September	2025	Tashkent	Uzbekistan
17	Powtech 2025	23-25	September	2025	Nuremberg	Germany
18	K-2025	08-15	October	2025	Dusseldorf	Germany
19	Bioplastics Business Breakfast K'2025 (Hybrid)	09-11	October	2025	Dusseldorf	Germany
20	Expo Cihac	15-17	October	2025	Ciudad De Mexico	Mexico
21	Mexi Mold	22-23	October	2025	Queretaro	Mexico
22	Myanmar Plas Print Pack	16-19	December	2025	Yangon	Myanmar
23	Plastex Egypt	11-16	January	2026	Egypt	Egypt



## ★ CELEBRATING INTERNATIONAL MSME DAY 2025

Micro, Small and Medium Enterprises (MSMEs) are the backbone of India's manufacturing and export ecosystem, playing a pivotal role in employment generation, innovation, and regional economic development.

### MSMEs CONTRIBUTE NEARLY

# 30%

TO INDIA'S GDP

# 46%

TO EXPORTS

# 35%

TO MANUFACTURING  
OUTPUT

As of December 2024, over 5.7 crore MSMEs operate across the country, creating 24 crore jobs and driving inclusive growth. In the plastics sector, MSMEs form the majority of the nearly 50,000 industrial units, contributing to a market worth Rs. 3.5 lakh crore (USD 42.89 billion) and employing thousands. Their role is crucial in strengthening India's manufacturing base and global supply capabilities.

Recognizing the global importance of MSMEs, the United Nations designated June 27 as International MSME Day in 2017. The 2025 theme, "Innovation, Impact, and Intelligence," highlights the need for adaptability, sustainable practices, and smart growth strategies. In India, the day is celebrated through policy announcements, industry recognitions, and capacity-building initiatives that support MSME growth and competitiveness.

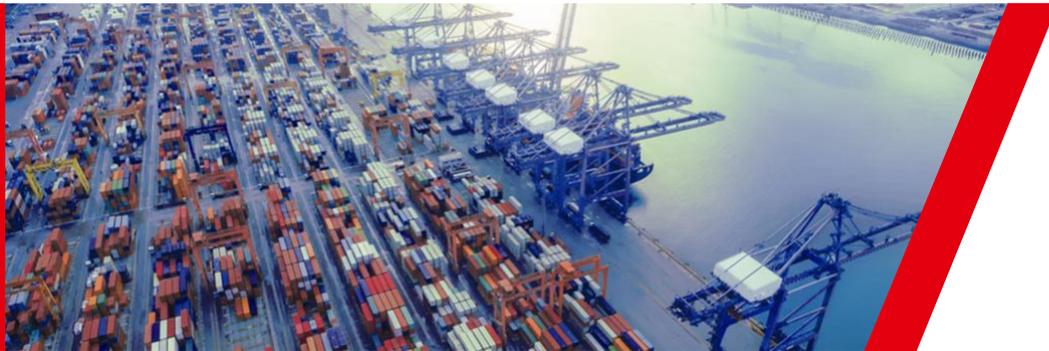


PLEXCONCIL has been at the forefront of promoting MSMEs in the plastics export sector. A key initiative in this direction has been the successful organization of two editions of PLEXCONNECT in 2023 and 2024, India's first export-focused plastics exhibition with Reverse Buyer-Seller Meets (RBSMs). These B2B platforms brought together MSME plastic manufacturers and international buyers, generating valuable trade enquiries, forging partnerships, and opening new global markets for Indian MSMEs.

Beyond trade shows, PLEXCONCIL facilitates Indian MSME participation in major international fairs such as Arabplast, Ruplastica, NPE and others. The Council also conducts regular knowledge sessions and capacity-building workshops to educate MSMEs about foreign trade policies, FTAs, export incentives, and emerging global opportunities.

In a world shaped by rapidly evolving trade dynamics, PLEXCONCIL is committed to empowering MSMEs through strategic engagement, policy advocacy, and global exposure. On this day in 2025, the Council salutes the dedication and innovation of MSME entrepreneurs who continue to drive India's growth story forward.

## ★ WHY BECOME A PLEXCONCIL MEMBER? ★



THE PLASTICS EXPORT  
PROMOTION COUNCIL

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 JUNE 2025 ★

Sr.No	Name of the Company	Address	City	Pin	State	Email
1	Agrawal Woven Polymers	1st Floor, 184-185 Delhi Gate Udaipur,	Udaipur	313001	Rajasthan	awpudr@gmail.com
2	Aon Pack Private Limited	Ground Floor, Block No. 694, Plot No. 13 To 18, Jayraj Textile Park, Mahuej Road, Mahuej	Surat	394125	Gujarat	exports@aonpack.com
3	As Laminates	2-119/10, Sy No 259, Narketpalle Addanki Road Behind Police Station, Madgulapally Madugula Palle Village Nalgonda Telangana 508374	Nalgonda	508374	Telangana	aslaminates2024@gmail.com
4	Fine Tools (India) Private Limited	4th Phase 10th Cross, 449p Kiadb Indl Area, Peenya 2nd Stage Bangalore Bengaluru Urban Karnataka 560058	Bengaluru	560058	Karnataka	mshp@finetools.co.in
5	Innoweave Packaging Solutions Private Limited	Survey No 611, Jamli Sagor Road Village Tahwlay Nanded,	Mhow	453441	Madhya Pradesh	vinit@inno-weave.com
6	Joy Impex	Second Floor Office No 301, Fortune Plus Commercial Complex, Sahid Arjun Road, Above Axis Bank Upleta,	Rajkot	360490	Gujarat	joyimpex24@gmail.com
7	K G N Human Hair Supply Business	Neturia Atattar, Purba Medinipur Atattar		721633	West Bengal	aboutskmanoarali@gmail.com
8	Minakshi Enterprises	3/1-A/4 Udyogpuri, Keshav Pranav Parisar, Anand Nagar Survey No 1716/1, Bhima Hospital Chauraha,	Ujjain	456010	Madhya Pradesh	minakshi.entp21@gmail.com
9	Nova Formworks Private Limited	103, Hargovind Enclave, Vikas Marg Opp. Shanti Mukund Hospital,	East Delhi	110092	Delhi	ashok.kumar@novaformworks.com
10	Peelonagrifresh Private Limited	2nd floor, 10-12-10/2, c/o kushal spaces, rednam gardens, maharani-peta, visakhapatnam, visakhapatnam, andhra pradesh, 530002	Visakhapatnam	530002	Andhra Pradesh (New)	tarakaramji@peelon.co
11	Pleiades Packaging	Rani Mangammal Salai Madurai Madurai Tamil Nadu 625020	Madurai	625020	Tamil Nadu	amreethkrishna@gmail.com
12	Rainbow Lami Pack	Survey No 563, P1/P1 And 563 P4 Plot No 7, Om Balaji Industrail Estate, Bhimnath Mahadev Road, Behind Radhe Krishna Shopping, Lajai	Tankara	363650	Gujarat	rainbowlmitubes@gmail.com
13	Reva Print Pack Private Limited	Plot No 1001, Phase-Ii, Gidc, Chhatral	Kalol	382729	Gujarat	account@revaprintpack.com
14	Samtone Industries Private Limited	Plot No. 750, Gidc Industrial Estate, Waghodia	Vadodara	391760	Gujarat	samtone840@gmail.com
15	Sathwick Polymers Private Limited	Sy No 106/A Thipparthy, Village & Mandal Nalgonda Dist Nakrekal Road, Thipparthy Nalgonda Nalgonda Telangana 508247	Nalgonda	508247	Telangana	sathwickpolymerspvtltd@gmail.com
16	Selzer Polymers Private Limited	Door No.Xv/595, Ayyankunnu Industrial Development Plot, Mundur Thrissur Thrissur Kerala 680541	Thrissur	680541	Kerala	comml@selzerpolymers.com
17	Shri Hari Polymers	2/243, Arittapatti Main Road, Narasingampatti Village, Melur Taluk, Madurai District Madurai Tamil Nadu 625122	Madurai	625122	Tamil Nadu	spa.ganesh@gmail.com
18	Supreme Filatech	A-310, Neemrana, Ghiloth Riico Industrial Area, Shahjahanpur Industrial Area	Alwar	301706	Rajasthan	shikhar1112@gmail.com

## ★ NEW MEMBERS FOR THE MONTH OF JUNE 2025 ★

Sr.No	Name of the Company	Address	City	Pin	State	Email
19	Surfica India Limited	Plot No-706/2,706/3,Village Amodra, Nr Rampura Cross Road, Talod Road Prantij	Himatnagar	383210	Gujarat	accounts@surfica.in
20	Tina Human Hair	Dag- 585, Mouza-029, Village-Man-galkhali Para Maity Para P,S Chandipur P.O -Manjaberia,	Medinipur	721633	West Bengal	maitytina68@gmail.com
21	Vardhaman Polyextrusion	Plot No. A-24/1, A24/2 & A-25, Midc Chincholi Tal-Mohol,	Solapur	413255	Maharashtra	vardhamanpipes@gmail.com
22	Welspun Global Brands Limited	Survey No 675 Paiki,676 Paiki And 699 Paiki,Cut And Sew Building And Ttwarehouse Welspun City, Versamedi,	Kutch	370110	Gujarat	krishan_gupta@welspun.com
23	Welspun Living Limited	Welspun City, Taluka , Anjar,	Anjar	370110	Gujarat	krishan_gupta@welspun.com
24	Winflex Converting Solutions	D-2/412, Shanti Enclave Haria Park, Dunga, Vapi, Valsad,	Vapi	396001	Gujarat	arup.saha@winflex.in

