PLEXCONCIL - The Plastics Export Promotion Council

PLEXCONNECT®

Edition 50, August 2023

G20 भारत 2023 INDIA

To protect your harvest, mulch films need to last an entire season.

Adverse environmental conditions can lead to cracks and tears in mulch film over time.
Our masterbatches can solve these problems.

We use a combination of silver, black, UV and Anti-Oxidant masterbatches for:

- High Sunlight Reflectance
- High Opacity
- Chemical & Pesticide Resistance

Our high-quality masterbatches also offer smooth finish and high gloss, meaning your products look fantastic!

Contact us for Mulch Films or GeoSynthetics needs!

dhirendra@jjplastalloy.com :
www.jjplastalloy.com :
+91 8808 736 600 :
Bharuch (Gujarat) & : Chandauli (U·P), India.

JJ Plastalloy
MASTERBATCHES & COMPOUNDS
Science that betters your everyday

QIQO

Tatva
KNOWLEDGE CENTRE
Simple science solutions to improve lives

Plexconnect is published by:
The Plastics Export Promotion Council

Editor: Sribash Dasmohapatra,
Executive Director, Plexconcil

Associate Editor: Sangita Iyengar

Send in your feedback, comments,
suggestions to **editor@plexconcil.org**

THE PLASTICS EXPORT
PROMOTION COUNCIL

Head Office (Head Office)
B-Wing, Dynasty Business Park, Unit No. 2, Ground Floor, Andheri-Kurla Road, Chakala, Andheri East,
Mumbai – 400059, Maharashtra
Tel: 022 – 40170000

Delhi - Northern Regional (Regional Office)
319, 3rd Floor, Block - E, International Trade Tower 99, Nehru Place
New Delhi - 110019
Tel: 91-11-26478817 / 26478819
Fax: 91-11-26478821
Email: plexnr@plexconcil.org
ashutosh.kumar@plexconcil.org

Chennai - Southern (Regional Office)
No: 5 | Ground Floor | Vivekananda Road
|Off Spur Tank Road
Chetpet | Chennai 600 031 | Tamil Nadu | INDIA
Tel : +91 44 2829 2620 | 2829 2625 (D)
M: +91 98400 53930
Email : ruban.hobday@plexconcil.org

Kolkata - Eastern Regional (Regional Office)
Vanijya Bhavan, 1/1 Wood Street
Kolkata - 700016
Tel: 91-33-22834497 / 22834498
Fax: 91-33-22834289
Email: nilotpal@plexconcil.org

Ahmedabad – Gujarat Region (Regional Office)
A-1001, Titanium Heights,
Nr. Vodafone House,
Corporate Road,
Prahladnagar, Makarba,
Ahmedabad- 380015 (Gujarat)
Tel: 079-48010103
Email: naman@plexconcil.org

@officialplexconcil
THE PLASTICS EXPORT PROMOTION COUNCIL
@plexconcil
@officialplexconcil

www.blendcolours.com

Boost Your Business Growth With Impeccable Colours of Nature

Committed to enhance quality and performance through innovating various custom colour, special effects and sustainable masterbatches to provide genuine and vibrant solutions

Application areas for colour Masterbatches

✦ Caps Closures & FMCG ✦ Wires & Cables ✦ Non Woven ✦ Oil Containers ✦ Toys ✦ Household & Furniture ✦ Woven Sacks & Lamination ✦ Polyester Fibre ✦ PP BCF

- **Leading Manufacturer & Exporter of Masterbatches, Additives & Compounds**
- **Network spread over 60+ countries**

Exceeding Your Expectations

BLEND COLOURS

Powered by Innovation

Hear BLEND, Think #BLENDCOLOURS

Use Plastics Properly, Dispose Responsibly

Blend Colours Pvt.Ltd. Plot No: #35, IDA Kattedan, Hyderabad - 500077 (TS) India.
Ph: +91-40-24361499. Email: info@blendcolours.com

Connect us with :

CONTENTS

From the Chairman's Desk

The past month has been quite eventful on account of the bountiful rains that have taken over the country, impacting cities in ways we have never experienced before. Indeed, climate change is real and while global forums continue significant discussions, the time for actual action is now!

Plastics have been playing a very central role while we talk about the environment. Over the years, the once hero and most versatile discovery of modern industrial history, today, plastics are being continuously tested for its worth. As an industry, we know that there is no negating the fact that the benefits far outweigh the damage caused. However, what should be the focus is for all stakeholders to truly align and fight the battle against pollution caused by unscrupulous waste disposal and mismanagement.

In this issue we have some interesting features that focus on some of the positive changes that are constantly being seen in the business. The industry is working hard towards not just investing and developing sustainable products, but brand owners and processors are also ensuring that more is done towards managing plastic processing and waste to the best of their abilities.

We spoke to V K Gupta, MD of VK Packwell Industries in this issue, a visionary leader and a company that is today recognized for its numerous firsts in the market. Catering to the agricultural segment, the company has sustainability at its heart. Following stringent quality standards, the company has been credited for developing path breaking and innovative agricultural products that are aimed at not only benefiting the farming community but also the environment.

We are also very pleased to welcome our guest writer in this issue, Punit Singhal, Director of Jagannath Industries who shares his valuable insights on EPR. Enough stress cannot be made on the subject and while there remain concerns among plastics processors at large, we do hope that this article will help simplify the policy and provide our members with a better understanding of the subject.

Nestle is a world-leading food and beverage brand, involving a very vast variety of packaging. In this issue we bring you an abridged version of an interview that talks about the investments being made by the brand, outreach into key markets that deal with humongous amounts of plastic waste and more. Sustainable measures taken by market leaders and brand owners such as Nestle serve as an inspiration and just as it takes every small drop to make an ocean. We hope that our processors can draw inspiration from stories of brands such as Nestle and adopt measures that will better serve circularity goals in the country.

On the export front, India exported plastics worth USD 899 million, lower by 18.6% from USD 1,103 million in June 2022. Cumulative value of plastics export during April 2023 – June 2023 was USD 2,785 million as against USD 3,276 million during the same period last year, registering a decline of 15.0%. This is indeed cause for concern but perhaps that gives us all the more reason to adopt a dynamic approach to tackle challenges and keep on the path towards export growth. The Council has been now actively promoting export outreach through participation at leading international trade fairs, working closely with embassies across the world to bridge the gap between international buyers and our exporters and much more.

In addition to some interesting stories, we also bring you data on exports of PU leather; Taiwan, which is our focus country this month and other news and views from around the world.

On a parting note, while the export situation may not be ideal presently, there is always a rainbow at the end of a storm. So, while we continue to brave the raging storms, let's forge ahead and find our sunshine ahead.

Until then, stay safe and healthy,

Warm regards,

Hemant Minocha
Chairman

Workshop at Ahmedabad on Making Plastic Manufacturing MSMEs globally competitive with digital - 01st June 2023 | Western Region

Workshop on "Making Plastic Manufacturing MSMEs globally competitive with digital" organized jointly by The Plastics Export Promotion Council (PLEXCONCIL), Gujarat State Plastic Manufacturers Association (GSPMA), National Association of Software and Services Company (NASSCOM) CoE and Ahmedabad Management association (AMA) on 1st June, 2023 at Ahmedabad.

The workshop covered topics like Manufacturing challenges faced by Plastic Manufacturing MSMEs, Step by Step approach for Digitalization, Examples of low cost and easy to deploy solutions in the Plastic Sector, Platforms for co-creation of Smart Solutions, Government initiatives to help MSMEs and opportunities in PLEXCONNECT 2023.

Mr Dhruv Sayani, Panel Chairman, Plexconcil gave a presentation on opportunities for participation in PLEXCONNECT 2023. Other Speakers during the workshop were Mr Vikas Gupta, Joint Director, MSME-DFO, Ahmedabad, Mr Atul Kanuga, President, GSPMA and Mr Amit Saluja, Sr. Director and Centre Head, Nasscom Centre of Excellence, Gandhinagar.

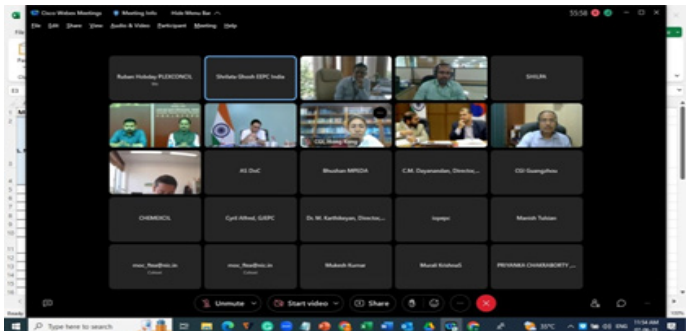
Meeting with Shri S. J. Haider, IAS, Additional Chief Secretary, Industries & Mines Department, Government of Gujarat – 02nd June 2023 | Western Region

Mr Naman Marjadi met Shri S. J. Haider, IAS, Additional Chief Secretary, Industries & Mines Department, Government of Gujarat regarding participation of Gujarat State with State pavilion during PLEXCONNECT 2023: India's FIRST ever Trade Exhibition focused on Plastics Exports.

VC Meeting to review of Export Target of NEA countries – 07th June 2023 | Southern Region

A meeting under the chair of Shri Anant Swarup, Joint Secretary was held on 07th June 2023 to review the export of NEA region for the month of April 2023. Regional Director Mr. Ruban Hobday and Mr. Manish (HO) attended the virtual meeting representing the Council.

Meeting organised by EEPC INDIA on 23rd June 2023 at Kolkatta | Western Region



EEPCINDIA organised an Interactive Session with Mr. Sumanta Chaudhuri, IAS Officer (Retd.), Former Jt. Secretary, Department of Commerce, GoI, Former Additional Chief Secretary & DG, ATI, GoWB and Principal Adviser, International Trade Policy Division, CII on 23.06.2023 in Kolkata. RD(East) represented the Council at this meeting.

Exporters' Meet organized by India Exim Bank on 26th June 2023 at Bangalore | Southern Region

Exporters' Meet was organized by India Exim Bank on 26th June 2023 at Bangalore. The meeting highlighted the various funding options provided by Exim Bank including programmes which are offered on a non-recourse basis to Exporters. Plexconcil Members have been invited to be part of this Exporters Meet.

Export Performance during April to May 2023

"During April-May 2023, India exported plastics worth USD 1,887 million, lower by 13.1% from USD 2,173 million during the same period last year. Export of both value-added plastics as well as plastic raw materials has dipped by 15.1% and 13.7%, respectively. Inflationary pressures and slowing economic growth in developed countries is hurting India's exports of value-added plastics, especially plastic packaging products; and plastic films and sheets. The decline in price of various polymers has also impacted the value of exports as it has been passed on to the overseas buyers. Indian exporters have also mentioned about removal of Generalized System of Preferences (GSP) in the EU since January 2023 resulting in reduced business for them."

To view detailed report on April 2023 and May 2023 performance: https://plexconcil.org/statistics

e 36th International Exhibition on
Plastics and Rubber Industries

ufi Approved Event

Chinaplas® 国际橡塑展 2024

THE PLASTICS EXPORT PROMOTION COUNCIL

BE A PART OF ASIA'S LARGEST INTERNATIONAL FAIR FOR PLASTICS & RUBBER

G20 भारत 2023 INDIA

Chinaplas 2024

Shanghai National Exhibition & Convention Center, China

23-26 April 2024.

PRICING
Package stand Minimum booth size 9sqm Rate is **US$ 460/sqm**

RAW SPACE
Minimum stand size 36sqm Rate is **US$395/sqm**

Product Themed Zones

- Machinery & Equipment Zone
- 3D Technology Zone
- Auxiliary & Testing Equipment Zone
- Die & Mould Zone
- Extrusion Machinery Zone
- Film Technology Zone
- Injection Molding Machinery Zone
- Plastic Packaging Machinery Zone
- Recycling Technology
- Rubber Machinery Zone
- Smart Manufacturing Technology Zone

Raw Materials Zone

- Additives Zone
- Bioplastics Zone
- Chemicals & Raw Materials Zone
- Colour Pigment and Masterbatch Zone
- Composites & High Performance Materials Zone
- Recycled Plastics Zone
- Thermoplastic Elastomers & Rubber Zone

Trade Services Zone

Innovative Products Zone

FOR BOOKING PLEASE CONTACT

Email : bharti@plexconcil.org | Call : +91-22-4017 0000

V K Gupta

MD, VK Packwell Pvt. Ltd.

The best part about plastics that are used for agriculture is that they can be recycled at the end of their life cycle. They can even be retrieved from the fields to be washed to remove soil particles, pesticides and then be ground into pellets. These pellets can later be used in the manufacture of outdoor furniture. Today, considering the environmental impact of plastics, water scarcity due to changing climatic conditions, demand for better crop output and more, we have seen a growing using technologies in agriculture that not just improve output efficiencies but are also mindful of their impact on the soil. There have been growing investments in innovation to achieve these targets and one such company that has been making its mark is VK Pack Well Pvt Ltd.

Established in the year 2007, V. K. Pack Well Private Limited is a well-known Exporter and Manufacturer of DPE Flexible Pipe, HDPE Pond Liner, HDPE Agricultural Tarpaulin, Rectangular HDPE Vermi Bed and much more. Under the astute leadership of V K Gupta, Founder & MD, usage of progressive technologies and investments in innovative products have resulted in the spectacular growth of the company in less than a decade.

Plexconnect in conversation with the dynamic V K Gupta where he talks about his mantra for success.

It has been less than a decade since the inception of VK Pack Well and yet the company has made remarkable achievements in the agricultural products segment. What drives your success?

We attribute our remarkable achievements in the agricultural products segment to several key factors that have driven our success at VK Pack Well Pvt. Ltd. Here are some of the driving factors behind our success:

Innovation and Quality, Customer-Centric Approach, Strong Distribution Network, Adaptability, Ethical Business Practices.

V.K.PackWell Pvt. Ltd. has developed a flexible and foldable woven fabric pipe in place of a hard pipe. It has obtained India's first license from the Bureau of Indian Standards (BIS). This flexible and foldable pipe can be easily installed on undulated and uneven land. Its transportation cost is 30% lower, and its price is 60-70% cheaper compared to traditional hard pipes. Despite its flexibility, the durability of this pipe is similar to that of hard pipes. We have obtained the patent rights for this innovative pipe in both India and China.

HDPE Laminated Woven Lay Flat Tube for Use is Mains & Sub mains of Drip Irrigation System IS 16627: 2017

HDPE Laminated Woven lay flat tube & fittings for use in Rain Irrigation System:IS 17728: 2021

V.K. Rain Gun Irrigation System with Flexible Foldable Lay Flat Tube

HDPE Laminated Woven Lay Flat Tube for Use is Mains of a portable sprinkler system

We are incredibly proud of what we have accomplished so far, but we remain focused on the journey ahead. With the continued support of our customers, partners, and employees, we are confident that VK Pack Well Pvt. Ltd. will continue to thrive in the agricultural products segment.

What are the growing opportunities within your business segments?

Within the agricultural products segment, VK Pack Well Pvt. Ltd. recognizes several growing opportunities that we are actively pursuing to capitalize on. These opportunities align with market trends, evolving consumer needs, and technological advancements in agriculture.

Our products are very helpful and fruitful for the farmers in irrigating their land and increasing their yield capacity and productivity. Our product offers great opportunities for their growth and development. Also there are some of the key growing opportunities within our business:

Diversification of product portfolio, Export Market Expansion, Value-Added Services to farmers, Strategic partnerships and collaborations.

What is your approach to R&D and Innovation at product development stage? In your opinion, what is the importance of innovation at product design stage and how can it impact business & environmental sustainability?

Approach to R&D and Innovation: We conduct thorough market research to identify emerging trends, customer needs, and gaps in the market by our qualified & trained team. All the products as mentioned above in point no. 1 newly developed technology driven irrigation systems are **"First time in India".**

We also have in-house state-of-the-art quality checking laboratories for quality control and quality assurance of world-class level. Several of our products are manufactured according to the BIS (Bureau of Indian standards) norms and our labs are well-equipped with the advanced technology equipment to evaluate our quality products. All products are tested under strict norms and mandates of BIS specifications.

An example of our testing facilities includes the Q-SUN Xe-2 rotating rack xenon arc test chamber machine which is owned only by the most reputed and quality committed industries in India.

Importance of Innovation at Product Design Stage: Innovation allows us to stand out in a competitive market. Our unique and innovative products have differentiated our brand and attracted new customers.

Impact on Business & Environmental Sustainability:

- Business Growth: Innovative products can open new revenue streams and expand market share, contributing to the overall growth and profitability of the company.
- Environmental Sustainability: Our Innovative product design has significantly reduced the environmental impact of our offerings. For instance, eco-friendly, water saving and resource-efficient systems have contributed to sustainable farming practices which is

supported by the performance report of ICAR Pusa New Delhi and Centre of Excellence for Vegetables (COE), Kannauj-U.P.

Tell us about some of your innovations. (Rain Pipe Irrigation System, BIS certified products, etc.)

Certainly! V.K. PackWell Pvt. Ltd. takes pride in its commitment to innovation, and here are some of the notable innovations the company has introduced:

First ISI mark licenses in India:

1. HDPE laminated woven lay flat tube for irrigation purposes (lapeta pipe) - IS 16190: 2014: We introduced FIRST Time in India HDPE Woven Fabric Pipe for Irrigation and water conveyance.

1. HDPE Laminated Woven lay flat tube & fittings for use in Rain Irrigation System:IS 17728: 2021 - It is a micro irrigation system and is a Multilayer Woven Laminated Lay Flat Rain Pipe. We only have the patent right of the product, no other manufacturer has the right to manufacture or import this product. We have the first ISI mark license in INDIA.

1. HDPE Laminated Woven Lay Flat Tube for Use is Mains & Sub mains of Drip Irrigation System IS 16627: 2017 - We have the first ISI mark license in INDIA.

First ISI mark licenses in Northern India for 3 products :

Tarpaulin made from HDPE woven fabrics: IS 7903: 2017

We have obtained the first license which is issued by BIS in Northern India for this product. We are India's FIRST ISI Mark manufacturers of H.D.P.E Tarpaulin measuring of Size 5.5 mtr. in width and length by adopting world's best technology. manufacture Tarpaulins (without joints/ jointless) made from HDPE Woven Fabrics of Size 5.5 mtr. in width and length. We are manufacturing the jointless Tarpaulins "FIRST TIME" IN INDIA.

HDPE woven beds for vermiculture IS 15907: 2010 -

HDPE Laminated HDPE Woven Geo Membrane for Waterproof Lining/Pond Lining/Canal Lining IS 15351: 2015

What is the importance of certification in your line of business?

Certification holds great importance in the agricultural and micro-irrigation line of business for several reasons. Here are some key reasons why companies like V.K. PackWell Pvt. Ltd. must prioritize certification:

We are professionally managed and ISO 9001, ISO 14001 & OHSAS certificated company.

1. Quality Assurance: Our products are certified by recognized government authorities/ bodies like ICAR New Delhi Pusa, Centre of Excellence for Vegetables Kannauj UP and also by the Bureau of Indian Standard (BIS), it assures customers that the products meet specific quality benchmarks and performance standards.

2. Customer Trust and Confidence: Farmers and agricultural practitioners are more likely to choose products from a certified company as they have the assurance that the products have undergone rigorous testing and adhere to industry standards. Our products are tested properly in our in-house lab, which is well equipped with the Q-SUN Xe-2 rotating rack xenon arc test chamber machine.
3. Compliance with Regulatory Standards: In many regions, agricultural products, especially those related to irrigation, are subject to regulatory guidelines and safety standards. Certification ensures that the company's products comply with these regulations, avoiding potential legal issues and penalties.
4. Market Access and Credibility: Certification can facilitate market access, both domestically and internationally. Many government tenders, projects, and international contracts require certified products, giving certified companies a competitive edge in such opportunities.

What are some of the major challenges faced by your company and how did you overcome them?

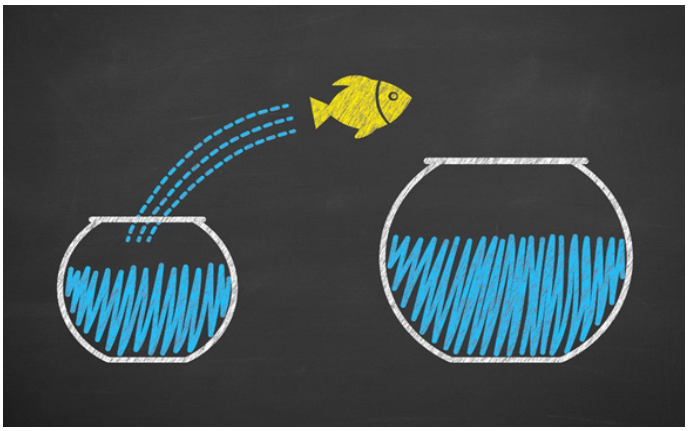
Technological Advancements: V.K.PackWell Pvt. Ltd. believes in continuous research & development, investing in R&D to develop innovative and cutting-edge solutions that cater to changing market demands and technological advancements.

Seasonal Demand & Changing Market Dynamics: Investing in R&D to develop innovative and cutting-edge solutions that cater to changing market demands and technological advancements.

Market Competition: Exploring new markets and regions to reduce reliance on seasonal demand fluctuations and regional constraints.

Customer Education: Conducting awareness campaigns and providing training to farmers on the benefits and proper usage of their products.

By effectively addressing these challenges, V.K. PackWell Pvt. Ltd. can enhance its competitiveness, improve customer satisfaction, and maintain a strong presence in the agricultural products market.



What are the opportunities for export growth?

We have a great opportunity here, and we need your guidance. Our newly innovative, technology-driven products are water-saving and cost-effective, which is highly beneficial for farmers. These products have also received recognition and positive performance reviews from ICAR PUSA, New Delhi.

For new exporters/ manufacturers, what would be your message?

It should be cost-effective, efficient, and easy to use. We aim to reach as many people as possible in the market and be able to solve their problems.

AEQUS INFRA

HDC
HUBBALLI
DURABLE GOODS
CLUSTER

Join the White Goods Manufacturing
'REVOLUTION'

Aequs Infra presents HDC, India's first manufacturing cluster, developed specifically for consumer durables, including white goods and brown goods manufacturing. This vertically integrated manufacturing ecosystem will host the entire durable goods manufacturing value chain, from raw material to finished goods, and shared services like cafeteria, medical services, créches, sanitation etc.

Further, with world class manufacturing facilities and infrastructure and the fastest speed to market, our expert team makes setting up and operationalizing your business simple and easy.

Aequs Infra. We add Ease to your Business.

EASE OF DOING BUSINESS

SPEED TO MARKET

BUILT-TO-SUIT

CLUSTER ECOSYSTEM

The key benefits of the cluster are:

- *INSTANT PLUG-N-PLAY MANUFACTURING*
- *24/7 UTILITY SERVICES*
- *INCUBATION FACILITY*
- *TRAINING CENTRE*
- *READY-TO-HIRE RESOURCES*
- *RESIDENTIAL/ DORMS*

Financial Benefits are*

- **20%** **subsidy** on capital investment of plant & machinery
- **2%** **incentive** on the turnover for the first five years
- **100%** **duty exemption** on electricity for the first five years
- **₹1** per unit of **power consumed** for five years

*Full text & meaning only as per Government of Karnataka (GO) Government Order

Contact us at: 82086 48747 vijay.singh@aequs.com

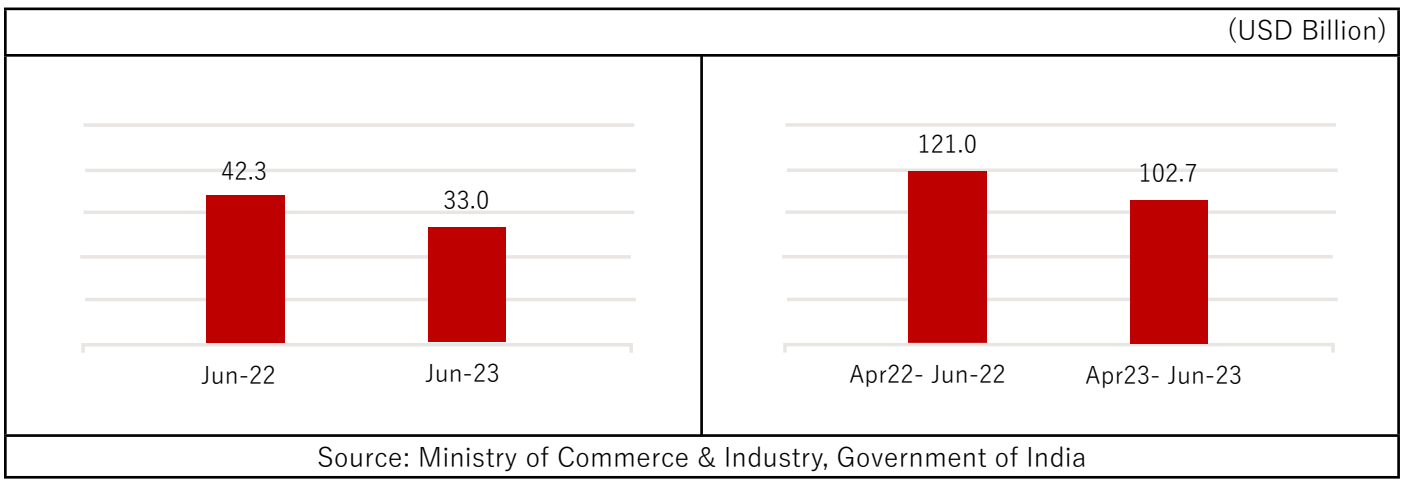
Address: No 55, Whitefield Main Road, Mahadevapura Post, Bengaluru – 560048
Website: www.aequsinfra.com

Export Performance - June 2023

TREND IN OVERALL EXPORTS

India reported merchandise exports of USD 33.0 billion in June 2023, down by 22.0% from USD 42.3 billion in June 2022. Cumulative value of merchandise exports during April 2023 – June 2023 was USD 102.7 billion as against USD 121.0 billion during the same period last year, reflecting a decline of 15.1%.

Exhibit 1: Trend in overall merchandise exports from India

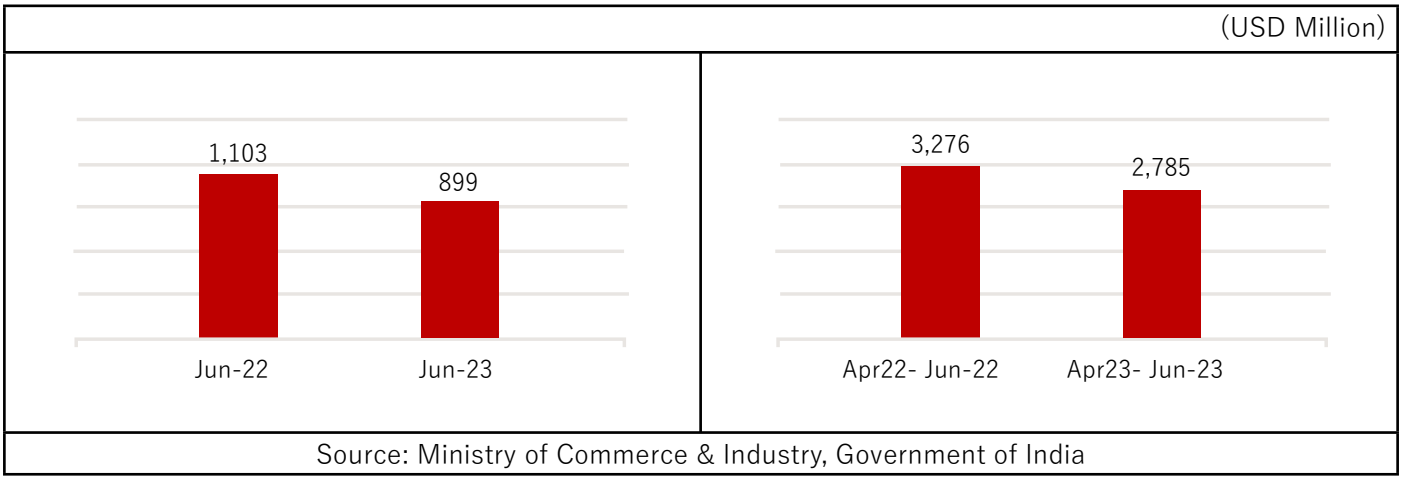


Source: Ministry of Commerce & Industry, Government of India

TREND IN PLASTICS EXPORT

During June 2023, India exported plastics worth USD 899 million, lower by 18.6% from USD 1,103 million in June 2022. Cumulative value of plastics export during April 2023 – June 2023 was USD 2,785 million as against USD 3,276 million during the same period last year, registering a decline of 15.0%.

Exhibit 2: Trend in plastics export by India



Source: Ministry of Commerce & Industry, Government of India

PLASTICS EXPORT, BY PANEL

In June 2023, majority of product panels witnessed a downfall in exports. The panels which contributed majorly towards the decline in exports were Plastic raw materials followed by Plastic films and sheets; FIBC, Woven sacks, Woven fabrics, Tarpaulin; Human hair & related products; and Miscellaneous products and items nes. The other panels which struggled to grow were Packaging items - flexible, rigid; Cordage, fishnets & monofilaments; Plastic pipes & fittings; FRP & Composites and Consumer & houseware products.

Product panels which reported a growth in exports during June 2023 were Floorcoverings, leathercloth & laminates; Medical items of plastics and Writing instruments & stationery.

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

Panel	Jun-22	Jun-23	Growth	Apr 22-Jun-22	Apr 23-Jun-23	Growth
	(USD Mn)	(USD Mn)	(%)	(USD Mn)	(USD Mn)	(%)
Consumer & houseware products	59.0	58.7	-0.5%	189.0	179.3	-5.2%
Cordage, fishnets & monofilaments	23.4	18.9	-19.1%	70.3	63.9	-9.0%
FIBC, woven sacks, woven fabrics, & tarpaulin	134.0	97.1	-27.5%	407.6	303.3	-25.6%
Floorcoverings, leathercloth & laminates	49.4	56.1	+13.5%	159.6	161.2	+1.0%
FRP & Composites	40.1	36.3	-9.7%	119.4	106.4	-10.9%
Human hair & related products	74.4	54.2	-27.2%	186.7	183.4	-1.8%
Medical items of plastics	41.9	43.6	+4.3%	124.3	130.9	+5.3%
Miscellaneous products & items nes	79.0	67.3	-14.9%	250.3	226.0	-9.7%
Packaging items - flexible, rigid	55.8	49.3	-11.6%	166.4	144.9	-12.9%
Plastic films & sheets	168.2	127.9	-23.9%	540.2	403.2	-25.4%
Plastic pipes & fittings	25.0	20.8	-16.7%	77.4	66.2	-14.5%
Plastic raw materials	331.6	246.4	-25.7%	913.9	749.1	-18.0%
Writing instruments & stationery	21.6	22.1	+2.1%	70.6	67.7	-4.1%
	1,103.3	898.6	-18.6%	3,275.8	2,785.4	-15.0%

Source: Ministry of Commerce & Industry, Government of India

Export of **Consumer & houseware products** declined by 0.5% in June 2023 on account of lower sales of Plastic moulded suitcases (HS Code 42021220) to Europe; and Tooth brushes (96032100) to Indonesia and the United States of America.

Cordage, fishnets & monofilaments exports were down by 19.1% in June 2023 due to decrease in sales of monofilaments of other plastics (391690) to the United States of America and Twine, cordage, ropes and cables of polyethylene or polypropylene (56074900).

In case of **FIBC, woven sacks, woven fabrics, & tarpaulin,** exports in June 2023 fell by 27.5% as Indian exporters reported a decline in sales of Sacks and bags of plastics (39232990); and Flexible intermediate bulk containers (630532). Indian exporters continue to mention about slowing demand in the international markets, especially Europe and North America, and decline in prices of their products in the international markets due to lower polymer prices. However, FIBC manufacturers are looking at various other export destinations to grow their business with the help of Indian Missions present therein.

Export of **Floor coverings, leather cloth & laminates** increased by 13.5% during June 2023 on account of higher sales of Textile fabrics impregnated, coated, covered or laminated with plastics (590390) to the United States of America. In June 2023, this product achieved its highest-ever monthly export in the last 16 months.

Export of **FRP & Composites** was down by 9.7% on account of lower sales of Articles of plastics and articles of other materials of heading 3901 to 3914, n.e.s (39269099) due to the economic downturn as well as elevated manufacturing cost in Europe. Removal of Generalized System of Preferences (GSP) from EU has also negatively impacted export of plastics from India.

Export of **Human hair & related products** declined by 27.2% due to lower sales of Human hair, dressed, thinned, bleached or otherwise worked (67030010). The decline can be attributed to lower prices for human hair and strong bargaining power of the Chinese buyers.

Export of **Medical items of plastics** were up by 4.3% in June 2023 due to higher sales of Spectacle lenses (900150). This product reported exports of USD 15.4 million in June 2023 – its highest-ever monthly sales. India generally exports this product to countries in Europe and North America.

Export of **Miscellaneous products & items nes** fell by 14.9% in June 2023 due to lower shipments of Optical fibres, optical fibre bundles and cables (90011000) and Polypropylene articles, not elsewhere specified (39269080) to the United States of America.

Packaging items - flexible, rigid export declined by 11.6% on lower sales of Sacks and bags of polymers of ethylene (392321) to the United States of America.

Plastic films & sheets export were lower by 23.9% in June 2023 due to a slide in sales of Self-adhesive sheets and films of plastics (39191000); Sheets and films of polymers of propylene (392020); Sheets and films of polyethylene terephthalate (392062). The plastic films & sheets segment remains under stress and manufacturers in India have slashed production amid sluggish global demand and high inventory. This product segment is also facing headwinds as several new lines have been operationalized both in the BOPP and BOPET segments in the last two years. Export of Plastic pipes & fittings contracted by 16.7% due to lower prices of plastic pipes & fittings in both the domestic as well as international market.

Plastics raw materials export was lower by 25.7% in June 2023 due to a decline in sales of Polyethylene terephthalate (390761, 390769). Apparently, the prices of polyethylene terephthalate continued to cool-off even in June 2023 and have been passed on to the overseas buyers. India is among the top-5 exporters of Polyethylene terephthalate resin in the world.

Export of **Writing instruments & stationery** were up by 2.1% in June 2023 due to higher sales of Ball-point pens (960810).

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

HS Code	Description	Apr 22- Jun 22	Apr 23- Jun 23	Growth
		(USD Mn)	(USD Mn)	(%)
63053200	Flexible intermediate bulk containers	243.6	181.6	-25.5%
90011000	Optical fibres, optical fibre bundles and cables	151.1	150.3	-0.5%
39076190	Polyethylene terephthalate: Other primary form	162.0	101.5	-37.3%
67030010	Human hair, dressed, thinned, bleached or otherwise worked	138.5	131.6	-5.0%
39269099	Articles of plastics and articles of other materials of heading 3901 to 3914, n.e.s: Other	117.0	105.3	-10.1%
39232990	Other sacks and bags, incl. cones, of plastics	121.9	92.1	-24.4%
39021000	Polypropylene, in primary forms	102.0	98.1	-3.8%
48239019	Decorative laminates	72.1	71.1	-1.3%
39202020	Plates, sheets, film, foil and strip, of non-cellular polymers of ethylene: Flexible, plain	90.2	55.0	-39.0%
39269080	Articles of plastics and articles of other materials of heading 3901 to 3914, n.e.s: Polypropylene articles, not elsewhere	67.6	48.4	-28.4%
39206220	Plates, sheets, film, foil and strip, of non-cellular polyethylene terephthalate: Flexible, plain	62.1	46.9	-24.4%
39232100	Sacks and bags, incl. cones, of polymers of ethylene	59.3	44.2	-25.4%
39069090	Other acrylic polymers, in primary forms	55.7	40.1	-28.0%
39076990	Polyethylene terephthalate: Other primary form	83.9	45.0	-46.4%
39239090	Articles for the conveyance or packaging of goods, of plastics: Other	47.2	43.9	-7.0%
05010010	Human hair, unworked; whether or not washed or scoured	42.2	45.4	+7.6%
39202090	Plates, sheets, film, foil and strip, of non-cellular polymers of ethylene: Other	48.9	36.2	-26.0%
39046100	Polytetrafluoroethylene, in primary forms	35.8	31.9	-11.0%
90015000	Spectacle lenses of materials other than glass	35.0	41.9	+19.8%
96081019	Ball-point pens	35.2	33.7	-4.3%
90183930	Cannulae	34.1	33.0	-3.1%
39011090	Polyethylene with a specific gravity of < 0,94, in primary forms: Other	29.3	28.8	-1.6%
59039090	Textile fabrics impregnated, coated, covered or laminated with plastics other than polyvinyl chloride or polyurethane: Other	38.1	40.8	+6.9%
56074900	Twine, cordage, ropes and cables of polyethylene or polypropylene	32.6	27.4	-15.8%
39219099	Plates, sheets, film, foil and strip, of plastics, reinforced, laminated, supported or similarly combined with other materials: Other	27.8	26.5	-4.5%
39046990	Other fluoro-polymers of vinyl chloride or of other halogenated olefins, in primary forms	18.8	22.4	+19.3%
96032100	Tooth brushes	24.4	22.6	-7.5%
39219094	Plates, sheets, film, foil and strip, of plastics, reinforced, laminated, supported or similarly combined with other materials: Flexible, metallised	30.7	21.5	-30.0%
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	33.4	23.1	-30.8%

39206919	Plates, sheets, film, foil and strip, of non-cellular polyesters, not reinforced, laminated, supported or similarly combined with other materials: Other	26.0	20.4	-21.3%
39073010	Epoxy resins	29.4	15.0	-49.0%
39206290	Plates, sheets, film, foil and strip, of non-cellular polyethylene terephthalate, not reinforced, laminated, supported or similarly combined with other materials: Other	27.3	15.7	-42.3%
39129090	Other cellulose and chemical derivatives thereof, n.e.s., in primary forms	22.3	24.9	+11.5%
39241090	Other tableware and kitchenware, of plastics	22.9	23.1	+0.6%
39095000	Polyurethanes, in primary forms	24.3	20.9	-14.2%
39199090	Self-adhesive plates, sheets, film, foil, tape, strip and other flat shapes, of plastics, whether or not in rolls > 20 cm wide: Other	28.1	21.7	-22.7%
39140020	Ion-exchangers based on polymers of heading 3901 to 3913, in primary forms	19.1	19.1	-0.1%
39014010	Linear low-density polyethylene	20.1	19.3	-4.1%
39204900	Plates, sheets, film, foil and strip, of non-cellular polymers of vinyl chloride, containing by weight < 6% of plasticisers, not reinforced, laminated, supported or similarly combined with other materials	19.2	19.0	-0.6%
39219096	Plates, sheets, film, foil and strip, of plastics, reinforced, laminated, supported or similarly combined with other materials: Flexible, laminated	25.1	14.3	-43.2%
39119090	Other polysulphides, polysulphones and other polymers and prepolymers produced by chemical synthesis, n.e.s., in primary forms	21.1	23.8	+13.3%
59031090	Other textile fabrics impregnated, coated, covered or laminated with polyvinyl chloride	20.3	19.8	-2.8%
39235010	Stoppers, lids, caps and other closures, of plastics	18.4	17.4	-5.5%
39100090	Silicones in primary forms: Other	20.5	14.5	-29.4%
39249090	Other household articles and toilet articles, of plastics	17.7	18.2	+2.8%
39172390	Rigid tubes, pipes and hoses, and fittings therefor, of polymers of vinyl chloride: Other	18.3	15.1	-17.7%
39201019	Plates, sheets, film, foil and strip, of non-cellular plastics, not reinforced, laminated, supported or similarly combined with other materials: Other	18.8	17.5	-7.0%
39206929	Plates, sheets, film, foil and strip, of non-cellular polyesters, not reinforced, laminated, supported or similarly combined with other materials: Other	18.1	13.4	-26.2%
39019000	Other ethylene-alpha-olefin copolymers, having a specific gravity of less than 0.94	17.4	14.4	-17.2%
39011020	Low density polyethylene	31.1	9.3	-70.1%

Source: Ministry of Commerce & Industry, Government of India

PARTICIPATE
@
INDIA PAVILION
ORGANIZED BY

THE PLASTICS EXPORT
PROMOTION COUNCIL

NOW EXPAND YOUR EXPORTS TO EGYPT

Find new buyers for your products

PLASTEX

9 -12 JANUARY 2024

EGYPT INTERNATIONAL EXHIBITION CENTER

Avail subsidy under MAI scheme -

Space charges reimbursement & Airfare subject to government approvals

Participation charges -

Shell scheme package available **42,000/- per sqm**

Stalls will be allocated on first come first serve basis

For bookings, contact :

Ms. Kajal Guria
kajal@plexconcil.org

SCAN ME

Punit Singhal

Director, Jagannath Industries Pvt. ltd.

"Effective waste management is crucial in reducing the impact of plastic waste on the environment. Extended Producers Responsibility (EPR) aims to ensure that producers are responsible for the management of products after they are no longer useful to consumers. It's objective is to provide an efficient system for collection, segregation, and transportation of plastic waste to an approved waste disposal facility".

Punit Singhal, Director CAO, Jagannath Industries Pvt Ltd explains the intricacies of EPR and why processors should embrace it.

What comprises the Plastic Waste Management Rules 2022?

In a nutshell, the salient features of the Plastic Waste Management Rules, 2022 are as follows:

- Ban on single-use plastic items: The rules ban the manufacture, import, stocking, distribution, sale, and use of certain single-use plastic items, including straws, plastic sticks for balloons, earbuds, cutlery, plates, cups, and wrapping films. State governments and local bodies are forming and implementing rules for same.
- Extended Producer Responsibility (EPR): The rules introduce the concept of Extended Producer Responsibility (EPR), which requires producers of plastic packaging to take responsibility for its collection and recycling.
- Collection and recycling targets: The rules set collection and recycling targets for plastic packaging. Producers of plastic packaging will be required to achieve these targets by 2025.
- Awareness and capacity building: The rules require the government to undertake awareness and capacity building activities on plastic waste management.
- Enforcement: The rules provide for strict enforcement measures, including penalties for non-compliance.

The Plastic Waste Management Rules, 2022 are a significant step in the fight against plastic pollution in India. The rules are expected to help reduce the amount of plastic waste that ends up in landfills and waterways. They are also creating numerous jobs in the recycling sector.

What is EPR?

EPR means Extended Producer Responsibility, which includes an environmental and economical approach to preventing, cleaning up and recycling plastic waste. Packaging Extended Producer Responsibility (EPR) is a policy tool that makes producers significantly more responsible for the packaging they place on the market at the end of its life.

For this, entities need to obtain EPR Authorisation for e-waste/plastic waste management in India. EPR Authorisation is granted by the Central Pollution Control Board (CPCB) under the Ministry of Environment, Forest and Climate Control of the Government of India. It assigns the responsibility of environmentally sound disposal or recycling of plastic and waste on the EPR holder.

Who is covered under the EPR?

The provisions relating to EPR for plastic waste management shall cover the following persons:

1. Producer (P) means person engaged in manufacture or import of carry bags or multilayered packaging or plastic sheets or like, and includes industries or individuals using plastic sheets or like or covers made of plastic sheets or multilayered packaging for packaging or wrapping the commodity;
2. Importer (I) means a person who imports plastic packaging product or products with plastic packaging or carry bags or multilayered packaging or plastic sheets or like;
3. Brand Owner (BO) means a person or company who sells any commodity under a registered brand label or trade mark;
4. Post-consumer plastic packaging waste means plastic packaging waste generated by the end-use consumer after the intended use of packaging is completed and is no longer being used for its intended purpose
5. Pre-consumer plastic packaging waste means plastic packaging waste generated in the form of reject or discard at the stage of manufacturing of plastic packaging and plastic packaging waste generated during the packaging of product including reject, discard, before the plastic packaging reaches the end-use consumer of the product.

Which are types of Plastics Packaging covered under EPR?

Plastic packaging commodities have been divided into 4 categories. This include:
Category-I: Rigid plastic packaging
Category-II: Flexible plastic packaging of single or multi-layer plastic sheets, covers, and the likes
Category-III: Multi-layered plastic packaging
Category-IV: Plastic sheet and similar material used for packaging purposes as well as carry bags made of compostable plastics

Why should you get an EPR Authorisation?

Benefits of Obtaining EPR Authorisation:

- Good Environmental Impact: EPR Authorisation decreases the compulsion of disposal of plastic waste and e-waste by burning or burying them, which can be dangerous to human health when inhaled.
- Promotes Reuse of Product: EPR Authorisation amplifies the ease and speediness of dissembling plastic or electronic products for the process of recycling and reuse, thereby promoting multiple life cycles of such products.
- Ensures Sustainable Development: EPR Authorisation promotes the conservation of natural resources, lessens waste, and eradicates pollution, and all these sums up to sustainable development.

Extended Producer Responsibility is often discussed as a technique for countering the planned obsolescence since it financially encourages manufacturers to design for recycling and make items last longer. In addition to combatting planned obsolescence, Governments may be relieved of the financial strain of paying for and handling trash by moving some of the cost burdens to the manufacturer.

What are the documents required for EPR Registration?

- GST Certificate
- Importer Exporter Code (IEC)
- KYC of authorised signatory and company signatory
- NOC or Consent Letter from State Pollution Control Board
- Proof of premises
- Products details
- PAN Card

What are the Targets & Obligations for EPR Plastic Waste?

The guidelines lay down targets for Extended Producer Responsibility for plastic waste that needs to be fulfilled by the Producers, Importers, and Brand Owners. Further, it also specifies the obligation for a minimum level of recycling that needs to be ensured by them. This includes the following:

Extended Producer Responsibility Targets

	Year	Extended Producer Responsibility Target (in %)
I	2021-22	30%
II	2022-23	70%
III	2023-24	100%

What are Surplus EPR Certificates covering Purchase, Sale, and Off-setting?

If a brand owner has fulfilled the Extended Producer Responsibility Targets, then he can use the surplus certificates for the following purposes:

- Off setting the previous year's shortfall
- Carry forward for setting off in succeeding years
- Selling it to other producers, importers, and brand owners

However, the surplus in one category of plastic can be used for set-off, sale, or carry forward in the same category only. Further, the following things should be kept in mind in relation to surplus certificates:

- Surplus under reuse can be used against reuse, end-of-life disposal, and recycling
- Surplus under recycling can be used against recycling and end-of-life disposal
- Surplus under end-of-life disposal cannot be used for recycling or reuse

The producers, importers, and brand owners can purchase surplus Extended Producer Responsibility Certificates from other producers, importers, and brand owners to meet their Extended Producer Responsibility obligations for plastic waste under any category. These transactions must be recorded and submitted by them by filing annual returns as per the EPR framework.

Tell us about the Environmental Compensation

As stated earlier, the registered entities are required to fulfill the EPR target obligations. In case of its non-fulfillment, they will need to pay environmental compensation. As per the current guidelines, the CPCB shall levy environmental compensation on producers, importers, and brand owners operating in 2 or more states. Whereas SPCB shall be responsible for levying environmental compensation in their respective states.

However, payment of environmental compensation does not absolve these registered entities from fulfilling their obligations. The unfulfilled obligations shall be carried forward to the next year up to a period of 3 years. A refund mechanism has been placed whereby the environmental compensation shall be returned as follows if the obligations are fulfilled within those 3 years:

No. of years within which obligations are fulfilled after levy of environmental compensation	% of environmental compensation that will be returned
1 year	75%
2 years	60%
3 years	40%

After 3 years, the entire environmental compensation shall be forfeited if the obligations still remain unfulfilled.

In a Nutshell

The government is taking active steps to reduce plastic pollution to the maximum. By placing strict guidelines, it becomes important for the producers, importers, and brand owners to ensure proper EPR registration and compliance in India to avoid penal consequences. From the above, it can be inferred that the EPR for plastic waste is applicable and mandatory to procure for the below type of entities:

- Companies who are directly dealing with plastic packaging materials;
- Companies whose product line is different but they are using plastic packaging material to pack or protect their products.
- Companies that are directly importing materials that are made of plastic like BOPP, HDPE, LDPE, PP, etc.

Further, the compliance mechanism increases transparency in the process with everything getting centralised.

HERE REQUIREMENTS MEET INNOVATIONS

A 360° approach in Engineering with Plastics

- Tooling, Molding, Extrusion & Assembly
- Engineering Design Services
- Polymer Compounding

Why Jyoti?

- Protection of IPR
- A Mindset of Scientific Molding
- 2k Molding / IML Capability
- Excellent Quality Management System
- In-house Tool Room Setup
- Plastic Extrusion Capability
- Government of India Certified Export House
- 63 Years of Excellence
- Trusted by Fortune 500 Companies
- Established track records in supplying to USA, North America, Europe & Asian countries

EXPLORE THE CAPABILITIES WITH OUR EXPERTS!

Jyoti PLASTICS AND BEYOND

www.jyotiplastic.com

POLYMER PRICE TRACKER (DOMESTIC MARKET)
Jun 2023

High Density Polyethylene (HDPE) ↓ ↓ ↓ Apr-23 May-23 Jun-23	• HDPE prices weaken by Rs 5,000 per MT in June 2023 after witnessing a decline of Rs 2,000 per MT both in May 2023 as well as in April 2023. • In June 2023, HDPE prices were cut by Rs 5,000 per MT in the first week of the month itself. Thereafter no price changes were announced.
Linear Low-Density Polyethylene (LLDPE) ↓ ↓ ↓ Apr-23 May-23 Jun-23	• LLDPE prices contracted by Rs 5,000 per MT in June 2023. Prices had declined by Rs 3,000 per MT in May 2023 and by Rs 2,000 per MT in April 2023. • In June 2023, LLDPE prices were cut by Rs 5,000 per MT during the first week of the month. Thereafter no price changes were announced.
Low Density Polyethylene(LDPE) ↓ ↓ ↓ Apr-23 May-23 Jun-23	• LDPE prices downswing by Rs 5,000 per MT in June 2023; prices had fallen by Rs 3,000 per MT in May 2023 and by Rs 2,000 per MT in April 2023. • In June 2023, LDPE prices were down by Rs 5,000 per MT in the first week of the month itself. Thereafter no price changes were announced.
Polypropylene (PP) ↓ ↓ ↓ Apr-23 May-23 Jun-23	• PP prices slumped by Rs 10,000 per MT in June 2023 after witnessing a fall of Rs 3,000 per MT in May 2023 and Rs 2,500 per MT in April 2023. • In June 2023, PP prices were reduced by Rs 3,000 per MT during the first week of the month and by Rs 7,000 per MT later.
Polyvinyl Chloride (PVC) ↓ ↓ ↓ Apr-23 May-23 Jun-23	• PVC prices down by Rs 1,000 per MT in June 2023. PVC prices had contracted by Rs 4,000 per MT in May 2023 as well as in April 2023. • In June 2023, PVC prices were slashed down by Rs 3,000 per MT in the first week despite that prices were raised by Rs 2,000 per MT in the second week of the month.

Source: Industry, Plexconcil Research

Understanding Polymer Price Trends – July 2023

July, a key month for the polymer industry, reinforced the complex interplay of global market dynamics. We noted specific shifts based on the BIS issues that impacted supply chains: Iranian and Southeast Asian producers, for instance, displayed hesitancy in providing booking offers for LLDPE/LDPE for July and August shipments.

There's more on the international front. Polyethylene (PE) offers have surged, with a notable increase in the ballpark of $50-$75 for July arrivals. This movement has been setting the stage for August. We anticipate a short covering in domestic demand, which is likely to invigorate positive market sentiments. It's also evident that several Asian processors are making significant inroads into the Indian markets with enticing offers, ensuring a steady supply, especially noticeable in PP.

The past month's trends suggest that August shall carry forward the momentum. With potential shifts in supply and demand, coupled with international influences, we're geared up for the challenges and opportunities that lie ahead.

In this ever-changing landscape, we remain focused on understanding global cues and ensuring agility.

DCS INTERNATIONAL TRADING COMPANY

Formally Known as PKS International Company

Top Merchant Exporter in Northern Region 2004 to 2021

Awarded as Top Merchant Exporter in "Northern Region" by The PLEXCONCIL (Ministry of Commerce & Industry, Govt. of India)

For consecutive 17 years

Top Merchant Exporter in Northern Region 2004 to 2021

LEADING EXPORTER OF 100% INDIAN HUMAN HAIR
PIONEER IN THIS INDUSTRY SINCE 50 YEARS.

We are fully committed to quality with regards to our products as well as our processes and services. This is fully corroborated by our long standing relationships with almost all of our international clients.

- **Non Remy Double Draw Natural Hair-black**
- **Non Remy Double Draw Natural Hair-grey**
- **Non Remy Double Draw Natural Hair-white**
- **Remy Single Draw Natural-black**
- **Bulk Hair**

Top Export Excellence Award in (Northen Region) by "FIEO"

Highest Foreign Exchange Earner Award in (Northen Region) by
"FIEO" (Ministry of Commerce & Industry Govt. of India)

"Niryat Shree & Niryat Bandhu"
For Highest Exports in Non-MSME Category by "FIEO"

Mr. Prem Kumar Solanki — **Mr. Pushpender Kr. Solanki**

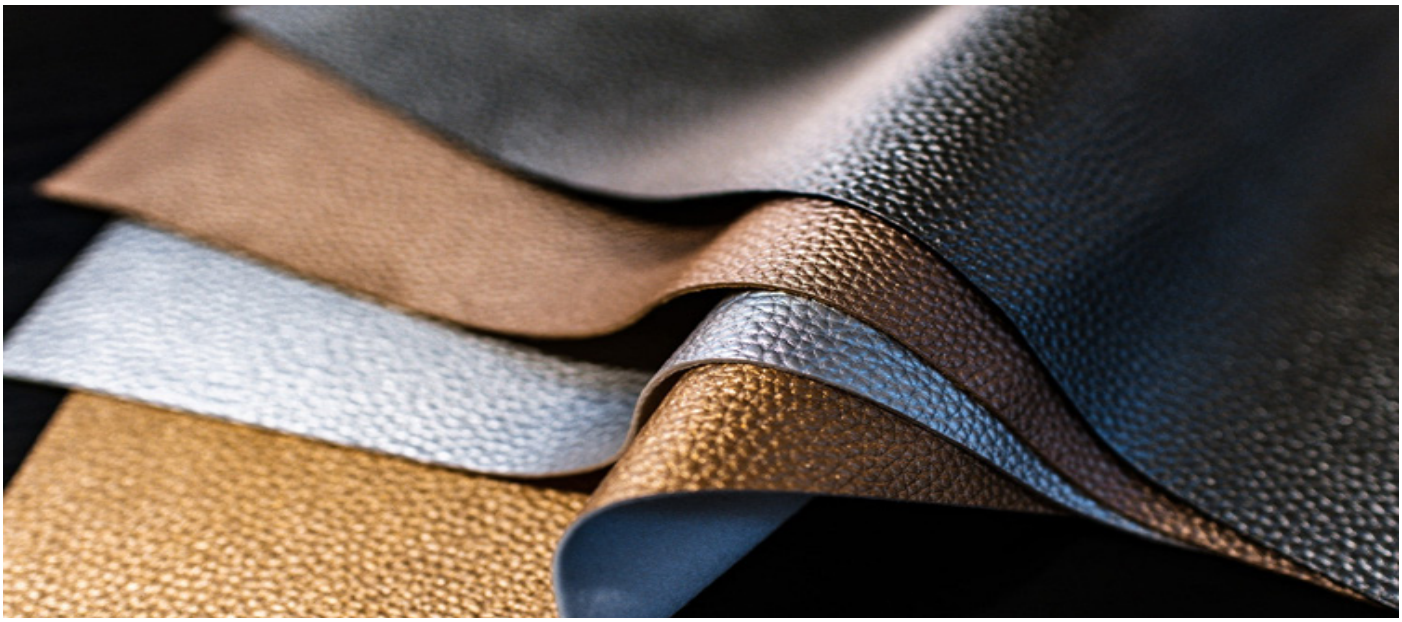
DCS GROUPS

Corporate Office : 2nd Floor, 223 DLF Tower, 15 Shivaji Marg, Moti Nagar New Delhi-110015 (INDIA)
Telephone : +91-11-45566861 Mobile : +91-9716035229
Email : dcs@dcshairs.com, pks@pkshairs.com | Website : www.dcshairs.com

★ ★ Two Star Export House

RECOGNIZED BY THE MINISTRY OF COMMERCE & INDUSTRIES (GOVT. OF INDIA)

SCAN QR CODE FOR MORE DETAILS



Polyurethane Leather Cloth

Polyurethane leather cloth is made of thermoplastic polymer which includes any kind of textile coated one or both sided with Polyurethane often used in the furnishing, fashion, footwear, automotive, and bags industry. Polyurethane leather is a widely used alternative for real leather as it is much cheaper, lightweight, Strong and durable. It can also be produced in a wider variety of styles, patterns, and colours than real leather. The product is classified under Subheading 590320 of the Harmonized System (HS) of Coding.

World-wide import of polyurethane leather cloth is valued at USD 5.5 billion per year approximately.

- In 2022, top-5 exporting countries of Polyurethane leather cloth were: China (46.7%), South Korea (9.2%), United States of America (6.4%), Japan (5.9%), and Taiwan (5.8%).
- Likewise, top-5 importing countries of Polyurethane leather cloth were: Viet Nam (19.7%), United States of America (7.4%), China (7.3%), Bangladesh (5.8%) and Indonesia (5.7%).

In 2022-23, India exported 5.2 million sqm of Polyurethane leather cloth valued at USD 6.9 million to the world. United States of America was the top export destination in terms of value and Tanzania was the top export destination in terms of volume.

Destination Country	Value (USD Mn)	Destination Country	Qty. (million sqm)
United States of America	1.19	Tanzania	1.86
Bangladesh	1.04	Nepal	0.64
Nepal	0.88	Bangladesh	0.62
Tanzania	0.84	Kenya	0.58
South Africa	0.71	United States of America	0.35
Kenya	0.38	Ghana	0.30
Sri Lanka	0.34	South Africa	0.17
South Korea	0.31	Maldives	0.13
France	0.15	Sri Lanka	0.09
Ghana	0.15	South Korea	0.07

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

Product of the month

In 2022-23, India imported 468 million sqm of Polyurethane leather cloth valued at USD 131 million from the world. China was the top supplier in terms of value as well as in terms of volume to India.

Source Country	Value (USD Mn)	Source Country	Qty. (million sqm)
China	76.68	China	423.45
South Korea	8.09	Hong Kong	26.95
Taiwan	8.01	France	4.72
United States of America	7.19	Malaysia	3.08
Viet Nam	6.00	South Korea	3.02
France	4.31	Taiwan	2.66
Indonesia	3.86	Viet Nam	0.86
Germany	3.62	Indonesia	0.62
Italy	2.81	United States of America	0.59
Malaysia	2.65	Thailand	0.51

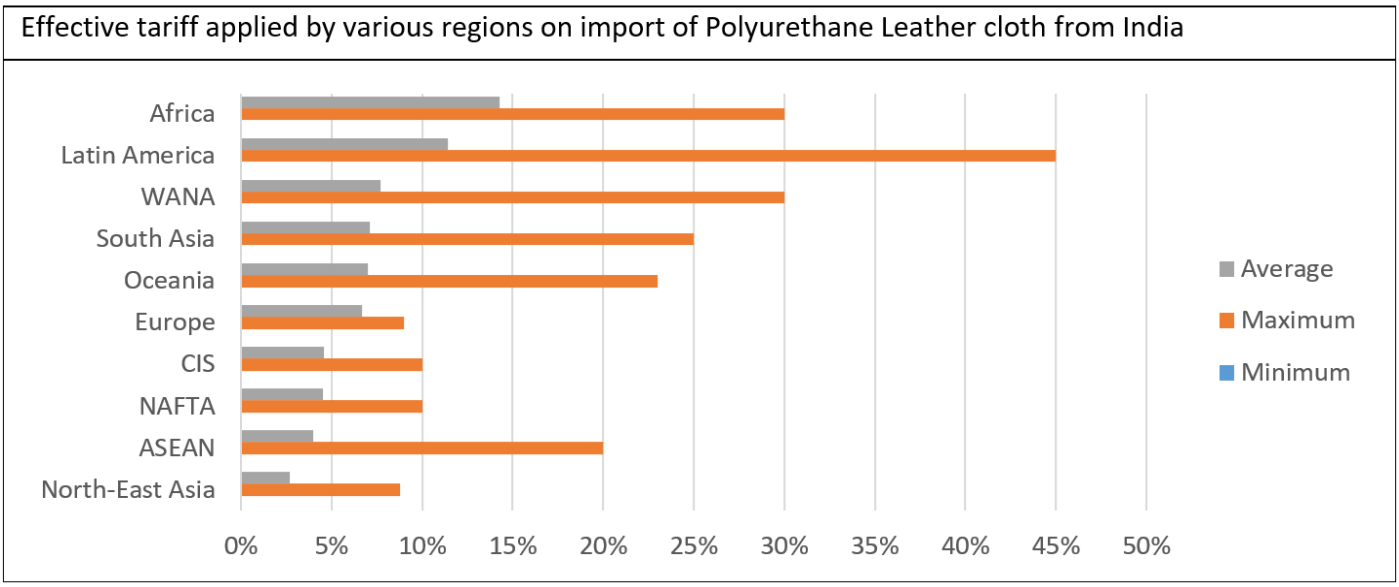
Source: Department of Commerce, Govt. of India, Plexconcil Research

Indian firms dealing in Polyurethane leather cloth have immense potential to export to destinations like Australia, Cambodia, Canada, Philippines, Tanzania, Thailand, Sri Lanka, United Arab Emirates, United States of America, and Viet Nam.

There is zero duty applicable on import of Polyurethane leather cloth from India in Australia under the recently signed India-Australia Economic Cooperation and Trade Agreement and in United Arab Emirates under Comprehensive Economic Partnership Agreement. Further, some of the ASEAN countries like Cambodia, Philippines, Thailand and Viet Nam also allow zero duty imports of Polyurethane leather cloth under the ASEAN-India Free Trade Agreement. Polyurethane leather cloth is eligible for zero customs duty in Canada, Sri Lanka, and Singapore. United States of America and Tanzania are important export destinations because the former is the second largest importer of Polyurethane leather cloth in the world and the latter has increased its purchase of Polyurethane leather cloth from India in the last few years.

Unfortunately, some countries in Africa, Latin America, WANA, and Europe region do not accord any preferential treatment to Polyurethane leather cloth imported from India due to which the average customs duty faced on this product is high.

Effective tariff applied by various regions on import of Polyurethane Leather cloth from India



Source: Market Access Map, Plexconcil Research

What is Nestlé doing to tackle plastic packaging waste?

Our vision is that none of our packaging, including plastics, ends up in landfill, oceans, lakes and rivers. We are working hard to deliver on it and help achieve a waste-free future.

We remain committed to designing 100% of our plastic packaging for recycling. By 2025, we expect that more than 95% of it will be. To date, 85.8% of our total packaging is already recyclable or reusable. Out of this, 81.9% of our plastic packaging is designed for recycling in dedicated recycling facilities - but we know we have more work to do. As the world's largest food and beverage company, our actions matter, and we are committed to putting our size and scale to work.

We are on track to reduce our use of virgin plastics in packaging by one third by 2025 and are pioneering alternative packaging materials to facilitate recycling. We have already achieved a reduction of 10.5% as of year-end 2022. Packaging plays an important role in safely delivering high-quality food and drinks to consumers, and in reducing food loss and waste. We need to consider alternatives carefully before making changes to packaging, whether plastic, paper, metal, or glass.

We have made strong progress in taking voluntary actions under our control, and we support governments in accelerating infrastructure development. This includes supporting the development of well-functioning collection, sorting and recycling schemes wherever we operate, and scaling up reusable and refillable alternatives where possible.

In early 2020, we announced an investment of up to CHF 2 billion to lead the shift from virgin plastics to food-grade recycled plastics, and to accelerate the development of innovative packaging solutions. Collaboration and collective action are vital for transforming how packaging is managed at end of life, particularly if we are to advance the circular economy. Recognizing this, we opened the Institute of Packaging Sciences in 2019 to enable us to accelerate our efforts to bring functional,

safe and more sustainable packaging solutions to the market and to address the global challenge of plastic packaging waste.

In addition to the work of the Institute, we are working with value chain partners, industry associations and the civil society to explore different packaging concepts to

shape a waste-free future. Such system-wide change takes time, but we are committed to creating a world without waste and delivering on the commitments we have made to achieve this.

Improving consumer information is also vital, and we're committed to helping improve it by labeling our product packaging with recycling information – to help ensure it is disposed of in the right way. We are determined to look at every option to solve these complex challenges and embrace multiple solutions that can have an impact now and in the future.

How much plastic packaging did Nestlé use in 2022?

We have moved beyond peak virgin plastic packaging, even while our business continues to grow. Nestlé's total plastics packaging usage in 2022 was just under 0.9 million metric tons, amounting to a reduction of 35% by weight since 2019. This represents approximately a quarter of the total packaging we use across our businesses.

How is Nestlé reducing its plastic usage?

We want to use less packaging material, including less virgin plastic. Examples of how we're doing this include removing unnecessary plastic lids, accessories, layers and films.

We have removed plastic straws by end of 2020 by developing paper-based alternatives and 'straw-less' designs. We are also phasing out plastics that are non-recyclable or hard to recycle for all our products worldwide by 2025. For example, in Egypt, we removed the plastic tear-offs that cover the bottle cap and neck from Nestlé Pure Life water bottles, removing close to 240 metric tons of PVC. In the US, we eliminated the over-cap lids from all our Gerber 1st Food and 2nd Food puree tubs, removing over 2300 metric tons of plastics.

How are you phasing-out non-recyclable or hard-to-recycle plastics?

To eliminate the ne
ed for disposable packaging, we are working hard to eliminate non-recyclable plastics and investing in innovative, alternative delivery systems.

Many of these reuse and refill solutions are already being piloted in markets around the world, with over 20 projects completed to date in 12 countries. Commercially today we offer a bulk refill delivery system in Chile for Purina Dog Chow products, reusable stainless-steel containers for Nesquik cocoa powder, Ricoré chicory and coffee drink and Chocapic Bio cereals in France and bulk dispensers for Nescafé and Milo in many countries

around the world. We are proud to work with retailers like Carrefour in France, on initiatives like their Bulk Alley, offering favorite coffee, confectionary and pet food products in bulk dispensing systems.

We recognize that more needs to be done to advance reuse and refill solutions, and we are working with the industry supply chain and our retail partners to increase and scale up reuse and refill systems.

How are you developing alternative materials?

We are evaluating and developing various packaging materials in collaboration with industry partners. Our efforts include increasing the quantity of food-grade recycled plastic beyond rPET, paper packaging, and mono-material packaging to increase recyclability.
Our team of 50 packaging experts, together with partners, is working to develop and test functional, safe and

environmentally friendly packaging solutions. The Institute collaborates closely with more than 180 packaging experts embedded in our global R&D network, as well as with research institutions, start-ups, and suppliers.

What are you doing to increase your use of recycled plastics?

Globally, our overall recycled plastic content use is currently 7.7%. Additionally, we use more than 12% recycled content in our PET water bottles today. We are committed to increasing the proportion of recycled content we use in our packaging and continue to explore all opportunities to create and obtain sufficient volumes of food- grade quality recycled content.

You said that you were keen to 'create a market for food-grade recycled plastics' – what does this mean?

We are keen to increase our share of recycled food-grade plastics. But recycled food-grade plastics come in limited supply. The economics of plastic recycling are complex, but in nutshell, it's cheaper today for plastic manufacturers to produce virgin plastics than it is to produce food-grade recycled plastics. Our plastic suppliers need to receive financial assurances to make the leap.

What do you mean by the 'simplification' of packaging?

The simplification of packaging is important to help improve its recyclability. In order to simplify our packaging materials and packaging structures we have developed and circulated to suppliers a set of 'Golden Rules (pdf, 700Kb)' for the design and development of our packaging.

There are rules that apply to all packaging:

- Optimize the environmental performance of the packed product
- Optimize weight and volume of primary, secondary and transport packaging
- Use maximum possible recycled content
- Consider locally available infrastructure and technology
- Prepare appropriate disposal and/or recovery communication

The following rules apply specifically to plastics and coated paper:

- Do not use oxo-degradable plastics unless obliged by law
- Consider bio-based content for packaging
- Do not use polyvinyl chloride (PVC), polyvinylidene chloride (PVDC), polystyrene (PS), Expanded polystyrene (EPS)
- Prefer transparent or lightly tinted material, avoid carbon-based masterbatches
- Ensure residual products can be easily removed

How will you help develop plastics collection, sorting and recycling schemes?

To address the global issue of plastic packaging waste effectively, we must work collaboratively with industry, local and national governments, civil society and consumers to create systems solutions. We aim to do our part. Too often, plastic packaging lacks a dedicated collection system, is not disposed of properly or cannot be recycled. We are determined to change this, which is why we are taking action to make our own packaging recyclable, support improving waste collection systems, using new types of packaging and helping make recycling the easy thing to do. As part of this approach, Nestlé aims to take an active role in supporting governments in the development of well-functioning collection, sorting and recycling schemes across the countries where we operate.

Today we have dozens of neutrality projects in 12 countries, working with partners and associations to scale up collection, sorting and recycling of packaging waste. The aim is keeping packaging material in the economy and out of the environment. In these projects, our ambition is to collect and recycle the same amount of plastic as we use in our products, while aiming to support the improvement of recycling rates and infrastructure. This includes support for well-designed and effective mandatory Extended Producer Responsibility and Deposit Return Programs.

This article has been edited and reproduced from nestle.com

TAIWAN

Economic overview

Taiwan is located in Eastern Asia sharing islands borders with the East China Sea, Philippine Sea, South China Sea, and Taiwan Strait. It has an area of 35,980 square kilometres and a population of 23.3 million. Taiwan has surprisingly developed into one of the world's largest global economies. It was ranked as the world's 22nd largest economy and 6th largest economy in Asia. Taiwan has transformed itself from a light industry manufacturing base to a global production centre of high technology products such as computer microchip and semiconductors in the world during the past 40 years.

As of July 24, 2023, S&P's rating for Taiwan is AA+ (Stable); Moody's rating stands at Aa3 (Stable); and Fitch has a reported rating of AA (Stable).

Economic indicators		2020	2021	2022
Nominal GDP	USD Billion	673.2	775.7	761.7
Nominal GDP per capita	USD	28,571.4	33,186.3	32,643.2
Real GDP growth	%	3.4	6.5	2.5
Total population	Million	23.6	23.4	23.3
Average inflation	%	-0.2	2.0	2.9
Total merchandise exports	USD Billion	346.6	447.6	478.3
Total merchandise imports	USD Billion	287.2	383.0	437.3

Source: IMF, TradeMap

In November, 1991, Taiwan joined the Asia Pacific Economic Cooperation (APEC). Taiwan is a member of the Asian Development Bank (ADB), the Pacific Economic Cooperation Council (PECC), and the Pacific Basin Economic Council (PBEC). Taiwan has Free Trade agreements with El Salvador & Honduras; Guatemala; New Zealand; Panama; and Singapore. Taiwan also signed six Economic Cooperation Agreements (ECAs) with New Zealand; Singapore; Paraguay; Eswatini; the Marshall Islands; and Belize in addition to the Cross-Strait Economic Cooperation Framework Agreement (ECFA) with the PRC.

Trade overview

India and Taiwan engaged in bilateral trade worth USD 10.5 billion in 2022. During the year, India's exports to Taiwan were valued at USD 2.7 billion while India's imports from Taiwan were valued at USD 7.8 billion.

The major items of export (2-digit HS) from India to Taiwan are naphtha and other mineral fuels (USD 1,057 million), iron and steel (USD 237 million), aluminium ingots-not alloyed (USD 223 million), organic chemicals like o-xylene (USD 192 million) and zinc not alloyed and other articles (USD 133 million). Likewise, major items of export (2-digit HS) from Taiwan to India are monolithic integrated circuits (USD 2,838 million), nuclear reactors, boilers, machinery and mechanical appliances (USD 1,153 million) and organic chemicals like terephthalic acid and its salts (USD 1,151 million).

For products that come under the purview of PLEXCONCIL, the trade is in favour of Taiwan with exports of USD 1.0 billion to India and India's exports to Taiwan is valued at USD 16.3 million. The major items of export to Taiwan being:

- Plastic sheets and films (36.1%),
- Plastic raw materials (34.1%), and
- Packaging items - flexible, rigid (5.5%)

Taiwan's annual plastics imports are valued at USD 14.7 billion approx. Its plastic imports are largely catered to, by China (30.2%), Japan (25.9%) and United States of America (12.9%). However, Taiwan's plastic imports from India is insignificant.

Export potential for India

Our internal research indicates that India's export of PLEXCONCIL member products to Taiwan has the potential to grow by USD 6.7 billion. Details of product panels and their export potential to Taiwan is provided below:

Product panel	Taiwan's import from India	Taiwan's import from world	India's export to world	Export potential for India
	USD Million	USD Million	USD Million	USD Million
Plastic raw materials	5.6	4,137.0	3,632.7	1,884.8
Plastic films and sheets	5.9	3,150.1	1,943.0	1,343.6
Consumer & houseware products	2.1	2,731.0	1,624.8	1,034.5
Miscellaneous products and items nes	1.2	2,177.0	1,457.2	789.8
Medical items of plastics	1.8	1,166.3	1,040.7	707.4
Packaging items - flexible, rigid	0.9	488.4	648.6	368.6
Floorcoverings, leathercloth & laminates	1.4	280.3	778.0	247.5
Plastic pipes & fittings	0.4	308.1	304.8	129.1
FIBC, Woven sacks, Woven fabrics, Tarpaulin	0.3	137.2	1,517.6	94.2

Source: TradeMap, Plexconcil Research

THE PLASTICS EXPORT PROMOTION COUNCIL

Department of Commerce
Ministry of Commerce and Industry
Government of India

G20 भारत 2023 INDIA

HURRY NOW!

JOIN THE INDIA PAVILION ORGANIZED BY PLEXCONCIL!

NPE2024 The Plastics Show

MAY 6 - 10, 2024

ORLANDO, FLORIDA

Avail up to
5 LAKHS SUBSIDY
under MAI/MSME Scheme*

Subject to government approval (*T&C Apply)

SPACE ONLY
at US $ 47.50 Per sq. ft.

FEW STALLS LEFT!!
STALLS WILL BE ALLOTTED ON FIRST COME, FIRST SERVE BASIS!!

TO BOOK YOUR SPACE

CONTACT
Nilotpal Biswas nilotpal@plexconcil.org
Kajal Guria kajal@plexconcil.org

German giant to reduce investments – report / Detailed Q2 report shows tough time for plastics / Earnings, sales fall sharply in H2

German petrochemical behemoth BASF (Ludwigshafen; www.basf.com) will cut this year's investment budget by EUR 600 mn to EUR 5.7 bn, according to Reuters, which cited a media call with company CFO Dirk Elvermann.

Late autumn, the company announced an annual cost-cutting target of EUR 500 mn that focused on its headquarters site, and in February management said multiple areas of production would either be reduced or shuttered.

Some spending on the company's chemical complex in Zhanjiang in southern China is to be delayed, and improved financial terms were also secured with local contractors, Reuters quoted the CFO as saying. The company still plans to follow through with its EUR 10 bn investment in the site, according to the report.

BASF also provided details of its second-quarter results after releasing preliminary numbers in mid-July, when it announced worse-than-expected sales and earnings and issued a profit warning for the current year.

Business units hit hard

Performance at the company's plastics-related divisions was weak, according to the latest earnings report. Sales at the chemicals unit, home to petrochemicals and intermediates, plunged more than 38% from the year-earlier period to USD 2.7 bn, and EBIT before special items plummeted over 76%. Turnover at the materials unit, which includes performance materials, monomers, polyamides, and raw materials, was off more than a quarter to EUR 3.6 bn, with the line for operational income before special items tumbling more than 60%. The industrial solutions division reported a more than 22% drop in sales and a decline in the aforementioned EBIT measure of over 61%. Sales at surface technologies dropped over 22%, with EBIT before special items eking out a 1.5% gain.

The half-year numbers were also dismal, with group sales off 19% versus the first six months of 2022 to EUR 37.3 bn, with EBIT before special items dropping 43% to EUR 2.9 bn. All the plastics-related operations reported significant declines for sales and EBIT before special items for the period except for surface technologies, where the income reading was little changed from H1 2022.

The company reported lower sales for all regions in both Q2 and the first half. For the six-month period, turnover fell over 20% in Europe and nearly 22% in Germany, it dropped almost 20% in Asia Pacific and over 23% in China, it declined close to 18% in North America and skidded a total of 8.8% in South America, Africa, and the Middle East.

Source: plasteurope.com

Avient launches new automotive grades with PCR content

Avient Corporation has announced the addition of two reSound REC Recycled Content Thermoplastic Elastomers (TPEs). The new grades for automotive interior applications are formulated with post-consumer recycled (PCR) content, The company claims that the materials offer a more sustainable TPE option with comparable performance to traditional TPEs.

Developed in response to the growing demand for improved sustainability in transportation, this reSound REC 7310 product series aims to meet common automotive original equipment manufacturer (OEM) standards for volatile organic compounds (VOCs) and fogging.

These initial grades in the series are 80 and 90 Shore A durometers and contain 35 or 45% PCR content from recycled food packaging. They can also be customised, and injection moulded or overmoulded to polypropylene (PP), making them useful for a range of interior applications. This includes door mats/mat pockets, center console trays, front and rear trunk liners, or components for instrument panels & dashboards. They are colored black to provide consistent and comparable aesthetics to prime grades for OEM-specific blacks. Additional colors are also possible.

Matt Mitchell, director, global marketing, Specialty Engineered Materials at Avient said: “These materials enable automotive OEMs and Tier 1s to satisfy performance needs and advance their sustainability goals. The use of recycled content also reduces carbon emissions, waste, and pollution at the beginning of the product life cycle for added environmental benefits.”

The reSound REC 7310 product series is manufactured and available in North America.

Avient Corporation provides specialised and sustainable material solutions that aim to transform customer challenges into opportunities, these products include: Dyneema, the company claims that this is the ‘world’s strongest fibre’, enabling high levels of performance and protection for end-use applications, including marine and sustainable infrastructure and outdoor sports Unique technologies that improve the recyclability of products and enable recycled content to be incorporated, thus advancing a more circular economy Light-weighting solutions that replace heavier traditional materials like metal, glass and wood, which can improve fuel efficiency in all modes of transportation and reduce carbon footprint.

Source: Interplas Insights

Sabic Launches PCR-Based PPE Resin Portfolio

Sabic has added Noryl polyphenylene ether (PPE) resin grades formulated using 25% or more post-consumer recycled (PCR) content to its engineering plastics portfolio. The technology was validated through the commercialization of several grades, including Noryl NH5120RC3 resin containing 30% PCR content, which helps to lower its global warming potential (GWP) by 10% compared with incumbent, fossil-based grades.

The latest PCR-based technology can be incorporated into more than 200 existing Noryl resin grades, as well as an unlimited number of new grades based on specific customer requirements. These include unreinforced and glass-fiber-reinforced grades. Further, Sabic offers resin customization services to meet specific application requirements, as well as a full array of technical support services. It can help support circularity while maintaining the robust physical properties required for demanding applications. This sustainable solution is among the first PPE-based material technologies to incorporate such a significant level of recycled content, according to the company.

“Our new PCR-based Noryl resin technology is another milestone in Sabic’s long-term strategy to address customers’ sustainability requirements and support circularity,” said Joshua Chiaw, director, Business Management, LNP & Noryl, Specialties, Sabic. “Incorporating a high level of PCR content is just one of our approaches to making our products more sustainable. We have also pioneered chemical upcycling of single-use polyeth-

ylene terephthalate bottles and are expanding our use of bio-based feedstocks."

First PCR-based flame-retardant Noryl resin

"Developing PPE-based engineering resins with high percentages of recycled material is not trivial and poses a range of technical challenges," said Luc Govaerts, technology director, Specialties, Sabic. "With our product and process expertise, our scientists developed a new PCR-based portfolio, and we are now launching our first flame-retardant Noryl material with consistent performance, including hydrolytic and dimensional stability and mechanical property retention in harsh outdoor environments. Depending on application requirements, customers may be able to replace incumbent, fossil-based Noryl grades with our new PCR-based technology and achieve the desired performance while reducing their carbon footprint."

New Noryl NH5120RC3 resin further supports sustainability with non-brominated/non-chlorinated flame retardance. The material, which may be well suited for electrical applications such as heating/ventilation/air conditioning (HVAC) enclosures and photovoltaic/solar junction boxes, has a UL94 flame rating of V1 at 1.5mm. It also delivers a good balance of flow, heat performance, and creep resistance. Noryl NH5120RC3 resin is globally available.

Bio-based alternatives are imminent

To further expand its sustainable materials, Sabic is introducing a bio-based PPE technology that can be used to formulate any Noryl resin grade. Based on ISCC Plus certified feedstocks, this bio-based technology will offer customers the opportunity to specify up to nearly 100% renewable content in Noryl, Noryl GTX, Noryl PPX, and Flex Noryl grades.

Source: Plastics Today

ENGEL demonstrates integrated solutions at Plast

At Plast, which takes place from 5 to 8 September, ENGEL will be demonstrating applications and integrated solutions to make injection moulding more efficient, cost-effective and sustainable.

Continuous innovation - this is the topic on which ENGEL Italia presents technologies that enable injection moulders to make their productions competitive. Key pillars are the leveraging of potential savings in energy consumption, the digitalisation of processes, and the opportunities opened up by a circular economy.

Everything under control with smart machines and assistant systems

The improvement of process efficiency would be an unattainable goal without the adoption of machines and plants capable of using machine learning technologies and processing with algorithms the big data collected to support proactive process management. To support this trend in the industry, ENGEL has developed the iQ smart assistant systems, a range of software packages that integrate specific knowledge into the injection moulding machine control system to allow the operator to optimise the quality of processes and products with just a few clicks.

The performance of all iQ smart assistant systems, available as part of ENGEL's inject 4.0 programme, will be demonstrated at the fair with a production cell based on an all-electric ENGEL e-mac 265/80 injection moulding machine with a clamping force of 80 tons. The cell is equipped with a four-cavity mould for the production of PBT automotive connectors. The total shot weight of 28 grams and a specific consumption of 0.8 kWh per kilogram of processed material, without affecting precision and repeatability. An ENGEL viper linear robot in the new size 4 will remove the components from the mould and place them on the conveyor belt.

The all-electric drives of the e-mac machine contribute to this high degree of energy efficiency, further enhanced by the e-flomo and e-temp temperature control technology integrated with the smart iQ flow control assistant system, which saves 4,000 kWh in one year of operation at full capacity. The ENGEL e-flomo temperature-control water manifold system monitors and regulates the flow rate, pressure, temperature and temperature differences. Based on these parameters, iQ flow control assistance actively regulates the temperature difference in the individual circuits. This means that the thermal conditions in the mould remain constant at all times, even if there are fluctuations in the system. The result is very high repeatability and minimum cooling water and energy consumption. The integration of

e-temp temperature control units into the CC300 control unit of the injection moulding machine via OPC UA delivers an additional energy saving. In the integrated ENGEL solution, the flow rate of the temperature control water pumps is automatically adapted to match the actual process demand.

Change of pace in packaging

In addition to saving energy, the processing of recyclate is another important pillar of the sustainability strategy that ENGEL pursues for the benefit of its customers. An example is the application developed in collaboration with Alpla Group, Brink and IPB Printing. This allows post-consumer rPET containers to be produced in a single injection moulding process step, i.e. without the need to use preforms. Featuring a wall thickness of 0.32, the transparent, round 125-ml containers are representative of a whole genus of packaging. Thanks to integrated in-mould labelling (ILM), the containers are ready for filling as soon as they leave the production cell.

An ENGEL e-speed 280/50 injection moulding machine is the heart of the production cell. ENGEL specifically developed this hybrid machine with its electrical clamping unit and hydraulic injection unit for the high performance requirements of thin-wall injection moulding. The high-performance injection unit achieves injection speeds up 1400 mm per second at a maximum injection pressure of up to 2600 bar when processing small shot weights with an extreme wall-thickness to flow path ratio. This makes it the most dynamic injection unit on the market worldwide.

To process rPET, ENGEL combines the new injection unit with a plasticising unit from in-house development and production specifically designed for processing recycled material. During plasticising and injection, the viscosity of the PET is configured for thin-wall injection moulding. The new ENGEL e-speed supports the processing of arbitrary recycled materials up to 100% rPET. Moreover the mould is able to process different types of IML labels in order to allow customers to adapt to global trends and comply with different standards and recommendations.

Source: Medical Plastics News

ALPLA Launches ALPLArecycling Brand & Expands Food-Grade rPET Production

Austria-based ALPLA Group, a global producer of injection and blow molded packaging, is expanding its role as a major international recycler of PET and HDPE with two new investments and the launch of the new ALPLArecycling brand to consolidate all its recycling activities. In June, ALPLA began construction of a PET recycling plant in South Africa, which will produce food-grade rPET when it opens in the fall of 2024. This “bottle-to-bottle” operation is intended to produce 77 million lb/yr of mechanically recycled PET.

In July, ALPLA announced the expansion of its existing PET recycling plant in Poland, where it is adding a third extrusion line that will boost annual capacity from 66 million lb to 162 million lb of food-grade rPET.

All told, ALPLA has invested more than 50 million euros a year in its global recycling activities since 2021. It currently operates 13 mechanical recycling plants for PET and HDPE in Austria, Germany, Poland, Mexico, Italy, Spain, Romania and Thailand, including four joint ventures with regional partners. Their combined production capacity is around 585.2 million lb of rPET and 184.8 million lb of rHDPE, for 770 million lb total. An ALPLA spokesman says the “majority” of this capacity is used for ALPLA’s own packaging production and some is sold to others. “Specific numbers cannot be given, as this varies,” the source said.

Source: ptonline

Graphene-Enhanced Stretch Film Billed as 'World First'

Packseven, one of Brazil's largest flexible film processors, has commercialized what's been billed as the world's first graphene-enhanced stretch film. The new ultra-thin film, developed using Gerdau Graphene's specialized graphene additive technology, is reportedly significantly thinner and more durable: initial testing revealed that the new films could pack 120% more material without breaking compared with comparable flexible films. More durable stretch films reduce consumption of the material per pallet and increase safety in packing and loading, says the additive supplier. The film is expected to be made available for sale before October.

"Integrating graphene into our stretch film enhances its known properties, such as increasing its resistance to sharp objects that could pierce it. On top of that, it's more efficient — you use less of it when stretching, which means a big jump in cargo safety," says Kléber Ávila, CEO of Packseven. "Our goal is to provide a more durable film to the market and we think this will set a new bar for quality, delivering numerous benefits to transportation, storage, and all sorts of packaging needs."

The film is seven layers and is produced by Packseven in thicknesses ranging from 17µm to 35µm. The companies say the addition of graphene has no impact on recyclability; it is as recyclable as the polymer matrix into which it is added.

Thinner Films

"The addition of graphene to PE films has shown gains in material resistance, making it possible to significantly reduce the thickness of the film," notes Flavia Zangrandi, head of product development at Gerdau Graphene. "The addition of graphene thus allows for a performance gain combined with a more sustainable material due to the reduction of virgin plastic and/or the increase of recycled plastic in the composition of the final product. Gerdau Graphene's mission is to harness the power of graphene for industrial applications and our partnership with Packseven will deliver the next-generation of high-performance, low-weight films to the market."

Gerdau Graphene recently announced the commercial availability of its Poly-G polyethylene masterbatch, a graphene-enhanced additive for plastic resins suitable for the production of films, profiles, and sheets formed through the extrusion processes. The new thermoplastic products created using Poly-G are proven to be stronger and offer greater overall performance while costing less to manufacture and producing significantly less waste across the value chain.

Poly-G was piloted in a series of industrial applications within Gerdau's factories before commercialization, including as a film for construction nail packaging. Gerdau found that by using the new, 25% thinner graphene-enhanced film, far fewer nails perforated the packaging. As a result, Gerdau reported a 39% reduction in the volume of discarded damaged packaging and a 7% increase in film productivity.

Graphene, considered the strongest material on Earth, is composed of an atomic monolayer of carbon atoms arranged hexagonally in a honeycomb-like structure. Since it was isolated in 2004, graphene's extraordinary chemical, physical, electrical, thermal, and mechanical properties have captivated the world and led to its inventors winning the Nobel Prize in Physics.

Graphene can be blended with plastics, lending its strength to the polymer matrix, and making the blended material much stronger. In addition to improving physical and mechanical properties, graphene also increases barrier properties against liquids and gasses; protection against weather, oxidation, and UV light; and increased electrical and thermal conductivity.

Source: ptonline

2024 Paris Olympics Will Use Recycled Plastic for Seats

Spectators attending the 2024 Olympic Games in Paris will sit on chairs made of plastic recycled from local bins.

"There were shortages of virgin materials, which led a lot of manufacturers to switch to waste," says Marius Hamelot, co-founder of Le Pavé, the eco-construction firm behind the initiative. "Plastics manufacturers stopped operating altogether, not because there were no more orders, but because there was no more material. So they switched over to the waste sector."

Overcoming logistical challenges and strains on global supply chains, the seating arrangements are part of wider efforts to reduce the environmental footprint of the Olympic Games. Promising to be the greenest games yet, the organizers have said they will slash emissions in half compared to previous games by utilizing existing structures, encouraging public transportation use, and carbon offsetting.

The seats at Olympic venues such as the Arena at Porte de la Chapelle in Paris and the Olympic Aquatic Centre in Saint-Denis will be made out of recycled plastic. Approximately 11,000 seats will be made from recycled materials, reducing energy consumption and avoiding the production of new waste.

Organizers have also stated that electricity will come from renewable resources where possible and they will also include 'low carbon' menus which will offer dishes with less meat. Additionally, organizers are planning to install an underground water cooling system beneath the Athletes Village.

Paris-based recycling company Lemon Tri has teamed up with eco-construction firm Le Pavé to collect plastic waste and transform it into shredded plastic chips. The shavings are mixed until they achieve an even distribution of colors. They are then heated and compressed in machines. The result is a series of black or white plastic sheets with flecks of color. From there, the sheets are smoothed, sanded, and sent to other partner companies in France to be cut and assembled.

Numerous tests have been carried out on the chairs, including fire resistance, UV resistance, and toxicity. The chairs have also undergone mechanical resistance tests to see how well they remain anchored to the floor against attempts to rip them off.

The seats are currently in the process of being built and they will be installed in fall 2023. Approximately 80% of the 100 metric tons of recycled plastic collected to make the seats come from the yellow bins located in Seine-Saint-Denis.

"It's collected in Seine-Saint-Denis, shredded in Seine-Saint-Denis, processed in Seine-Saint-Denis, all for a swimming pool that's still in the area," says co-founder of Lemon Tri, Augustin Jaclin.

Plastic collection has also been conducted at the region's schools and approximately 5 million colored soda bottle caps have been recovered. In addition to helping the environment, the initiative also promotes and raises public awareness regarding sustainable practices.

"It's a huge communication tool," says. Augustin. "When we tell children to come and put your bottles in the bins, tomorrow they'll be in the seats of the Olympic swimming pool, it raises awareness [of waste recycling]."

Source: tomorrowsworldtoday.com

India News

Indian Plastic Industry size to touch Rs. 10 lakh crores in five years: AIPMA

The Indian plastic industry is expected to witness rapid growth and nearly triple in size to Rs. 10 lakh crores by 2027, with import substation offering a huge growth opportunity to the industry, according to the All India Plastics Manufacturers Association, the premier industry body representing the plastics industry in India.

AIPMA organised its 3rd Technology Conference for Growth of Plastic Industry in Ahmedabad on Friday. The conference, aimed at boosting Make in India and facilitating import substitution of plastic goods, witnessed participation from experts, industry representatives, researchers, government officials and policymakers from all over the country.

Earlier, delivering the welcome address, Mayur D. Shah, President of AIPMA, said the plastic industry is well-positioned to cater to the domestic market but also emerge as a global plastic supply hub.

“The Indian Plastic Industry has proven capabilities. AIPMA has identified 553 plastic products for import substitution, totalling Rs. 37,500 crores worth of imports. The move towards import substitution will create 5 lakh additional jobs in the country. This import substitution offers a huge opportunity. India also has the potential to emerge as a global plastic supplier. The government and the industry are working together to further encourage growth and create a sustainable environment for the Indian plastics industry to become the global sourcing hub. We are also confident that the Indian plastic manufacturing industry will play a vital role in helping the country become a $5 trillion economy,” Mr Shah said.

Addressing the conference, Arvind Mehta, Chairman of AIPMA’s Governing Council and AIPMA’s Arvind Mehta Technology and Entrepreneurship Centre (AMTEC) said, “The Indian plastic industry is poised for rapid growth. The size of the plastic industry is projected to grow from Rs.3.5 lakh crore in 2022-23 to Rs.10 lakh crores in 2027-28. The exports of plastic products are expected to grow from Rs. 40,000 crores to Rs. 1 lakh crore, reflecting the global acceptance of Indian products. This is an excellent opportunity for the Indian industry and we must make the most of it.”

The AIPMA conference served as a platform for direct dialogue between manufacturers and importers. It also showcased various technologies and innovations to facilitate import substitution. Speakers at the conference emphasised the plastic industry’s role in promoting initiatives like Atmanirbhar Bharat and Vocal for Local.

The conference also featured keynote addresses from noted speakers. Gurinder Singh, MD of ONGC Petro additions Ltd, spoke about the evolving opportunities for petrochemical industries due to import substitution of plastic goods. Jigish Doshi, President of PlastIndia Foundation and MD of Vishakha Group, shared his insights on business opportunities for the Indian plastics industry as more companies pursue the “China plus one” strategy to reduce their dependence on China.

Mahendrabhai Patel, Chairman of Mamata Machinery, addressed the conference on the business opportunities for the plastic machinery industry due to import substitution.

The conference featured sessions on Innovations in Raw Material & Supply Chain Requirements for Import Substitution, Requirement of Innovative Plastic Processing Technologies for Import Substitution, and Requirement of Tooling, Dies & Jigs Fixtures for Import Substitution. These sessions stressed exploring avenues for reducing import dependence and enhancing the domestic manufacturing of plastic products, ultimately contributing to the country's growth and job creation.

In his address, Prof (Dr) Sanjay K Nayak, Vice-Chancellor of Ravenshaw University, and Chief Guest on the occasion, discussed how policies can enable the growth of the plastic industry in India. He also emphasised the importance of aligning policies with the industry's needs to promote sustainable development.

The conference also showcased exhibits and samples of imported plastic products, offering a technical and business roadmap to the plastic processing industry for manufacturing these products in India. The upcoming editions of the conference are scheduled in Bangalore on August 10, Chennai on August 18, and Kolkata on August 28.

Source: apnnews.com

PepsiCo India introduces Pepsi® Black™ bottles made from 100% recycled plastic

PepsiCo India, a leading global consumer packaged goods company, reinforced its commitment towards sustainability and plastic circularity by introducing India's first 100% rPET (recycled plastic) bottles* in the Carbonated Beverage category with Pepsi® Black™. This launch is part of PepsiCo India's mission to build a positive value chain through a circular, inclusive economy where packaging never becomes waste.

George Kovoor, Senior Vice President, Beverages and Sustainability, PepsiCo India said, "We are encouraged by the measures taken by the Government to promote a circular economy in India. We are proud to launch the 100% rPET bottles of Pepsi Black. This an important milestone in our sustainability journey, backed by our intent to create a positive value chain and this launch is yet another step in that direction. We shall learn and evolve as we continue our endeavors to build a robust ecosystem while expanding the use of recycled content in our packaging."

The Pepsi Black rPET bottles* are made from 100% recycled plastic and are manufactured in India in partnership with Srichakra Polyplast (India) Private Limited with the bottling partner, Varun Beverages.

Driven by its 'Winning with pep+' philosophy, the company recognizes the importance of taking comprehensive efforts to reduce, recycle and re-invent its packaging. PepsiCo India is dedicated to developing innovative solutions, reducing its carbon footprint, and embracing sustainable practices like reuse and refill, that will inspire consumers, aligning with its long-term commitments to protect the environment.
Source: Packaging 360

Roca India open to acquisitions, plans Rs 200 cr capex in 2023

Sanitaryware major Roca India is looking at inorganic growth opportunities in the plastics pipes and fittings market as well as in the faucets segment, a senior company official said. The Indian arm of the €2-billion Spanish bathroom products giant Roca Group has also lined up Rs 200-crore capital expenditure (capex) during the current year to fuel targetted double-digit growth.

"The company is open to acquisitions in the plastics pipes and fittings segment, which is a Rs 15,000-crore market. "Our presence is small in the plastics and PVC pipes segment, unlike in sanitaryware where we are leaders. However, we are growing at 50 per cent per annum and this year we hope to do Rs 150-200 crore business. The opportunity is huge and so we are looking at inorganic growth," Roca India Managing Director K E Ranganathan said.

The company operates in India as Roca Bathroom Products. Speaking about the faucets plant, he stated that the company, which has a manufacturing facility in Bhiwadi in Rajasthan, is nearing full capacity. “Either we have to look at expanding capacity at the existing location or acquire a company to meet the growing demand,” Ranganathan said.

Roca India enjoys about 35 per cent market share in the bathroom products segment in the country, he claimed. It has eight manufacturing facilities in India and is also aiming at expanding its operations in the country. The company exports to several developed countries, including Australia, and European nations but the base is “still at a low single-digit percentage of the total revenue”, he said. Ranganathan expressed hope that exports could grow significantly in the next 5-7 years due to cost advantages. He said India remains a relatively cost-effective location for manufacturing bathroom products, which could give the company an edge in the overseas market. Sanitaryware

Source: dtnext.in

Codissia demands priority sector recognition for MSMEs

The Micro, Small and Medium-scale Enterprises (MSMEs) should be treated as a priority sector and should get a separate budget provision, said the Coimbatore District Small Industries Association.

The resolutions passed by the Association at its annual meeting held here recently said that the MSMEs provide 12 crore employment now and treating the units as a priority sector will help double the employment numbers. The Central government should also constitute a committee to regulate the 25 % compulsory purchase obligation of public sector undertakings, Defence and railway from MSME units. “The Codissia requests this limit to be enhanced to 40%,” it said.

The government should also accept self-declarations by the units and should set up skill development centres across the country to facilitate availability of skilled labour for the MSMEs. “The State and Central governments should come out with financial assistance to pay apprentices at least for one year who join as freshers at MSME units.”

The government should extend accelerated depreciation benefits for three years for all MSMEs that modernise or expand.

The Association also pointed out that there are over six crore micro and small enterprises across the country, according to the new classification of MSMEs. Many small enterprises have moved to the micro category because of the revised definition.

Programmes and schemes related to MSEs need more fund allocation in line with the increase in numbers. The registered micro and small Industries should get lower interest rate on bank loans for purchase of plant and machinery, collateral-free loans and Government guarantee, and credit-linked capital subsidy for expansion and modernisation / technology upgradation, it said.
Source: The Hindu

Patent filings by MSMEs jump 28% in FY23 amid govt measures to enhance IPR awareness

In a sign of growing awareness around intellectual property rights (IPR) among MSMEs in India, the number of patent applications filed in the financial year 2022-23 jumped 28.4 per cent from the previous fiscal. According to the data shared in the Lok Sabha in a written reply to a question by Bhanu Pratap Singh Verma, Minister of State in the MSME Ministry, 1,758 patent applications were filed by MSMEs in FY23 in comparison to 1,369 filed in FY22. As of July 24, in the current financial year, 756 applications were filed.

"Government of India has taken several steps to create awareness about intellectual property rights among MSMEs in the country. DPIIT has conducted 54 awareness programmes during the past three years. Ministry of Electronics and Information Technology (MeitY) has conducted 84 awareness programmes/seminars including 2 international workshops till date," said Verma in his response.

"Ministry of MSME has also conducted 40 awareness programmes, 1 National Level Workshop, 10 IP Yatra, 13 programmes (on World IP day) under IPR component of MSME innovative Scheme," he added.

Importantly, the ministry had last year launched an MSME Innovative Scheme with the combination of existing sub-schemes around incubation, design, and intellectual property rights (IPR) for MSMEs. With the three components of incubation, design, and IPR, the scheme intends to foster innovation across the entire value chain, spanning from idea generation to the realization of innovative applications, by facilitating incubation and design interventions.

Particularly for patents, the IPR component provides legal and intellectual property filing support including patents, trademarks, copyrights, designs, geographical indications, etc. The programme also provides IP advisory, consultation, patentability searches, technology gap analyses and IP commercialisation through the establishment of Intellectual Property Facilitation Centres (IPFCs) across the country, according to the scheme's details.

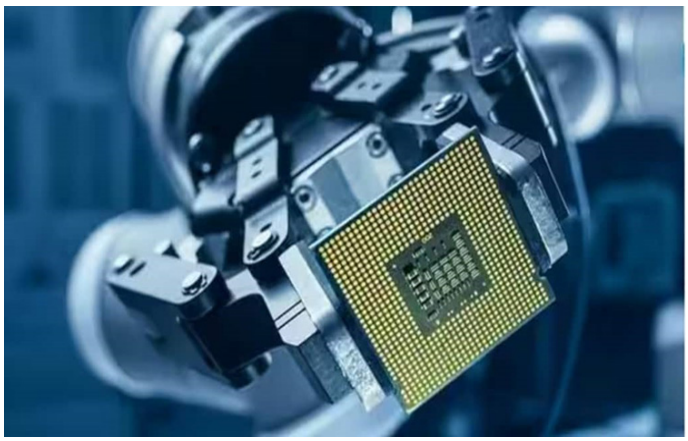
Meanwhile, India was positioned 42nd out of 55 countries in the US Chamber of Commerce's International IP Index report, FE reported in February this year. The Index evaluates the protection of IP rights in 55 of the world's leading economies, together representing around 90 per cent of global GDP and covers everything including patent and copyright laws to the ability to monetise IP assets and the ratification of international agreements.

Source: FE

SemiconIndia 2023: India emerging as trusted global electronics manufacturing partner, says EAM S Jaishankar

Dr S Jaishankar stressed on India's growing presence as a trusted global electronics manufacturing partner wherein international collaborations with the US, Japan and Australia and even upcoming opportunities with other like-minded countries hold significant importance.

Addressing the last day of the three-day SemiconIndia 2023, External Affairs Minister Dr S Jaishankar emphasized the role of India in critical and emerging technologies and importance of the country's growth in the electronics sector, particularly semiconductors. He also stressed on India's growing presence as a trusted global electronics manufacturing partner wherein international collaborations with the US, Japan and Australia and even upcoming opportunities with other like-minded countries hold significant importance.



The final day of the SemiconIndia 2023 Conference saw participation from industry, start-ups, academia and government and the discussions showcased the importance of critical aspects pertaining to semiconductor manufacturing and steps being taken to ensure the development of a robust, resilient and sustainable semiconductor ecosystem.

The panel discussion on "International Collaboration for Trusted and Resilient Semiconductor Supply Chain" led by Anshuman Tripathi, Member, NSCS, talked about equitable growth and shared future for all. The panelists, Mike Hankey, Consul General, US Embassy; Kyoko Hokugo, Minister, Economy and development, Japan; Georgina Rose Mckay, First Secretary, Australian High Commission and Prof Arijit Raychowdhury, Georgia Tech University explored the potential of global partnerships in enhancing the semiconductor industry, with a particular focus on India's role in becoming a major player in semiconductor manufacturing, research, talent exchange, clean energy transitions and critical minerals exploration.

The panel discussion on opportunities and challenges in emerging technologies talked about key innovations in semiconductors, future of automotive semiconductors, role of academia in advancing semiconductor technology and sustainability in the semiconductor ecosystem. The discussion on "Catalysing New India's Techade" reflected on the exciting prospects of setting up a semiconductor ecosystem in India, emphasizing that the country's capacity to deliver both consumption and production makes it attractive to multinational companies. Another panel discussion talked about the readiness assessment for the semiconductor ecosystem. Panelis discussed the remarkable growth and potential of the

electronics sector. Meanwhile, boAt shared their journey of building a domestic brand and moving from imports to domestic manufacturing, supported by government policies and schemes, including the phased manufacturing programme.

Another panel demonstrated the preparedness of various states to attract investments, develop infrastructure, and nurture talent in the electronics and semiconductor industries, playing a vital role in India's growth in this sector. The panelists also discussed the importance of financial and non-financial support for semiconductor companies, the need for fabless entrepreneurship, and the creation of State funds to support startups.

The deliberations on "Global Semiconductor Talent Capital" explored the implementation of Semicon India FutureSkills Talent Roadmap for making India as a Semiconductor Talent Nation.

Another session on creating a globally competitive compliance and regulatory framework highlighted the rapid changes in the ease of business and FDI processes, with a focus on Ease of Doing Business at the states level.
The second edition of SemiconIndia marked a significant shift, with the question changing from "why invest in India" to "why not invest in India" in the semiconductor industry. The second edition of SemiconIndia has placed India at the center of the conversation on the future of technology in general and future of semiconductors, in particular.

Source: FE

Govt to soon allow Indian firms to list on foreign exchanges

Finance Minister Nirmala Sitharaman on Friday said the government has decided to enable listed and unlisted domestic companies to directly list their equity shares on the International Financial Services Centre (IFSC) at Ahmedabad. Speaking at an event in Mumbai, the FM said domestic companies could now go in for direct listing on foreign exchanges, a move which will open a window for global capital access and result in better valuation for Indian companies. The minister stated that the decision will be operationalised shortly, enabling startups and companies to access the global market through GIFT IFSC.

"The government's vision for GIFT-IFSC transcends much beyond the realm of traditional finance and ventures into the realm of thought leadership. We envision it as the true embodiment of Atma Nirbhar Bharat, a hub of ingenuity and innovation," the minister said while inaugurating the Corporate Debt Market Development Fund (CDMDF) in Mumbai.

Sitharaman said that Indian capital markets have been a trendsetter of sorts in many aspects of trading, including being one of the fastest in settlement of trade and in certain areas related to risk mitigation and governance. "Our equity markets have witnessed broad-based participation from all segments – retail investors with more than 11.5 crore demat accounts on one side of the spectrum to small and medium enterprises (SMEs) raising funds through IPOs on the other. We are witnessing a robust and all-around growth of financial markets today," remarked the FM.

According to a senior government official, the norms for direct overseas listing of Indian firms will be notified in a few weeks. Initially, domestic companies will be permitted to list on the IFSC, and later on specified foreign exchanges.

As per the existing legal framework in India, companies incorporated in India are not allowed to directly list their shares on foreign stock exchanges. Until now, the companies were allowed to sell their shares in the global markets only through American Depository Receipt (ADR) and the Global Depository Receipt GDR), which were introduced to help Indian firms sell their shares in overseas exchanges. However, the Indian government and the capital market regulator SEBI are working hard to create a framework for directly listing domestic companies on foreign exchanges, especially in the U.S. and Europe.According to market experts, the decision to allow direct listing of Indian companies on foreign exchanges is a welcome move and it will have great potential to boost the Indian startup industry.

“The government’s decision to allow Indian companies to list directly on global exchanges even before being listed on domestic bourses is a very welcome move. Globally, and particularly in the U.S., some of the Indian businesses are getting much better valuation and much wider investor base compared to India. Obviously, it is a large pool of opportunities,” “says Amisha Vora, Chairperson & MD, Prabhudas Lilladher.

“Considering the fact that the Indian economy is on an upswing now, it will help attract more investments into India and allow Indian companies to attract more growth capital. Also, the decision will have great potential to boost the Indian startup industry,” he added.

Sriram BKR, Senior Investment Strategist at Geojit Financial Services, says the overseas listing will open a window for global capital access for Indian corporations. It will provide additional opportunity for fundraising and better price discovery, even when Indian markets are closed. While better valuation at international and deeply matured markets will boost brand and reputation, it will also give room for adopting international best practices on listing rules, information disclosures, investor interaction norms, etc.

Aryaman Vir, CEO, Aurum WiseX, says, “Overseas listing will enhance Indian companies’ competitiveness with better capital access, broader investors base, improved valuations, and global brand boost. While awaiting further details, Indian companies should prepare to seize this transformative opportunity and solidify their position in the global market.”

Source: Fortune India

Why become a Plexconcil Member?

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

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

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

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

Membership Benefits

- Discounted fees 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

New Members

The Plastics Export Promotion Council added the following companies/firms as new members during June-2023. We would like to welcome them aboard!

Sr. No	Name of the Company	Address	City	Pin	State	Director Name	Email
1	Accretion Industries	Kh No. 9/7, Nh-08, Village -Badgaon, Jaipur-Kishangarh Expressway, Ajmer,	Ajmer	305801	Rajasthan	Mahendra Kumar Kamdar	accretionindustries@gmail.com
2	Advance Addmine Private Limited	217-218, Advait, Nr.Sandesh Press Vastrapur,	Ahmedabad	380054	Gujarat	Rashmin Patel	addmine22@gmail.com
3	Aman Poly Plast Private Limited	P. No. E-28/A, F.I.C S/Cly	Faridabad	121004	Haryana	Yogesh Kumar Goyal	sales@amanpolyplast.com
4	Amar Global Plast	G2-504, Pramukh Greens, Daman Road, Chala Vapi	Valsad	396191	Gujarat	Divyesh Amarnath Pandey	divyeshpandey0304@gmail.com
5	Amber Polypack	Plot No-63 Navdurga Industrial Estate, Nh-08,Sakarda,	Vadodara	391745	Gujarat	Tatsav Dipakkumar Jagani	tatsav.jagani@amberpolypack.com
6	Amutha Enterprises	No.4, 1st Cross Street,,Ramdoss Nagar, Avadi,Chennai,	Thiruvallur	600054	Tamil Nadu	Paramasivam V	amuthahairs@gmail.com
7	Cam Tools Industries Private Limited	Unit No.2, M-3, Mehra Industrial Estate, Kurla Andheri Road, Saki Naka, Andheri East	Mumbai	400072	Maharashtra	Paresh Panchal	paresh@ctipl.in
8	Dalmia Polypro Industries Private Limited	19, 3rd Floor, Prabhadevi Industrial Estate; 408 Veer Savarkar Marg, Prabhadevi	Mumbai	400025	Maharashtra	Aditya Kumar Amarchand Dalmia	pratik@dalmiapolypro.in
9	Deccan Plastics	Plot No. 5, Gut No. 27, Near By H-23, Midc Waluj	Aurangabad	431136	Maharashtra	Prasad Padmakarrao Choudhari	deccanplastics09@rediffmail.com
10	Eat Luv N Pray Private Limited	114, Main Najafgarh Roa, Uttam Nagar, West Delhi,	Delhi	110059	Delhi	Jay Drath	elpray11@gmail.com
11	Eraiyaval Exports	No.93, S-2, Aishwarya Apartments, Als Nagar 2nd Main Road, Madambakkam,	Kanchipuram	600126	Tamil Nadu	Indira Devi Hariharan	eraiyvalexports5@gmail.com
12	Gold Lord Industries Private Limited	C/O Anita Sindhwani, Near Country Club Khamardih, Shankar Nagar, C/O Anita Sindhwani, Near Country Club Khamardih, Shankar Nagar	Raipur	492005	Chhattisgarh	Rajeev Fatehramka	goldlord.info@gmail.com
13	H R J Surgicals	10 Sona Udyog Parsi Panchayat Road, Andheri (E)),	Mumbai	400069	Maharashtra	Rajesh Jashvantlal Shah	exports@suru.com
14	Hari Kripa Polymers	Khasra No. 60, Gali No 14, Village Siraspur, North West,	Delhi	110042	Delhi	Mohit Narang	mohitnarang4@gmail.com
15	Holy Green Energy Private Limited	Khasra No.107/2 Mouza Asoli Bhandara Road Tehsil Kamptee,	Nagpur	440008	Maharashtra	Aniket Shyamsunder Agrawal	holygreenenergy@hotmail.com
16	Injectoplast Private Limited	205-Leela Palace, 7/85 Tilak Nagar Kanpur,		208002	Uttar Pradesh	Sanjay Kumar Shah	sanjay.shah@injectoplast.com
17	Intercontinental Polymer Private Limited	120 A Bombay Talkies Compound, Malad West,	Mumbai	400064	Maharashtra	Saurabh Harshadrai Naik	master@ipplmail.com
18	Jahan Polymers Private Limited	C-31, 6d- Engineers Colony New Sanganer Road, Mansarovar	Jaipur	302020	Rajasthan	Yash Choudhary	jahanpolimars88@gmail.com

19	Jedrsa Exports Private Limited	Plot No 34, Dk Insustrial Park 2, Opp.Gopal Charan Industrial Esate, Bakrol	Ahmedabad	382430	Gujarat	Roshniben Darshit Patel	kashyapthakkar441@gmail.com
20	Jm Plastopack Private Limited	Ashish Jayprakash Talati Survey No. 968,Vi Chacharwadi Vasna Ta Sanand,Changodar	Ahmedabad	382213	Gujarat	Ashish Talati	sagarsheth8478@gmail.com
21	K P Sales	S/32, Municipal Industrial Eastate, Opp. Bhagwati Hotel, Bapunagar	Ahmedabad	380024	Gujarat	Komal Jemit Jain	ankithiyaan@gmail.com
22	Kapsun Resources Corporation	102, Panchratna Arcade, Vapi-Daman Road, Chala,	Vapi	396191	Gujarat	Mita Ashok Kapoor	krcex2@gmail.com
23	Karnavati Polyblends Private Limited	Plot No. 14,15,17, Tirth Industrial Park, At Paldi-Kankaj, Nr. Dholka. Ahmedabad Highway	Ahmedabad	382425	Gujarat	Jignesh Mehta	karnavatipolyblends@gmail.com
24	Kg Flexx Private Limited	1201, 12th/F, Kataria Arcade, B/S Adani School, Makarba,	Ahmedabad	380051	Gujarat	Dharmendra Misra	dharmendra@kataria.co.in
25	Khyati Pet Industries Private Limited	P Ltd Kh.No 9-A , Industrial Area Bhanpuri,	Raipur	492001	Chhattisgarh	Hira Nand Bajaj	petkhayti@gmail.com
26	Maa Narmada Bal Udyog Traders	H No 388, Sadar Cant Near Lal Schoo Sadar Cant,	Jabalpur	482002	Madhya Pradesh	Jadav Abhishek Asurba	herikane789@gmail.com
27	Mahashakti Narayani Polytex Llp	Plot No 401,402,403,404, Mahashakti Narayani Polytex Llp Paraj Station Road, Paraj Galsi Burdwan,Purba Bardhaman,	Bardhaman	713144	West Bengal	Mr Pralay Sarkar	mnpolytex2020@gmail.com
28	Mod Polypack	E-311, Focal Point, Phase Iv-A,	Ludhiana	141010	Punjab	Ritesh Sood	exim@modpolypack.com
29	Mohan Merchandise Private	2b Satyam 46d Rafi Ahmed Kidwai Road	Kolkata	700016	West Bengal	.	mohantarp@yahoo.com
30	Moolchand Polymers	1st Floor, Pagaria House New Bus Stannd, , Pandri, Raipur	Raipur	492001	Chhattisgarh	Santosh Jain	moolchandpolymers@gmail.com
31	Neelkanth Impex	City Center, Ground Floor, Room No-21, Kum Kum Park, R.S.No.163/2 Plot No.4-8, Nana Kapaya,	Mundra	370421	Gujarat	Vekariya Keshav Harjibhai	neelkanthimpex2018@gmail.com
32	Omniplast Packaging Private Limited	Plot No-2 Road No-2 Mundka Udyog Vihar		110041	Delhi	Ankur Singla	omniplast@omniplast.org
33	Premier Polymers	608/B, Premier Polymers, Phase Iv, Gidc Naroda,	Ahmedabad	382330	Gujarat	Bhavin Rasiklal Mehta	premierpolymer@gmail.com
34	Ramanand Polyfab Private Limited	Survey No- 198, Kamla Amrut Industrial Park, Opp. Torrent Pharma, Ahmedabad - Mehsana Highway, Indrad, Mehsana ,	Mehsana	382715	Gujarat	Manish Nandkishore Sharma	info.ramanand21@gmail.com
35	Sathguru Glass & Polymers Private Limited	67,Thiruvalluvar Nagar,Ammabakkiyam Street,Mugalivakkam,Tamil Nadu,-Kanchipuram,,	Mugalivakkam	600125	Tamil Nadu	Brijesh Patil	sathguruglasspolymers@gmail.com
36	Shalimar Extrusion Private Limited	Unit 1&2, 4th Floor, B-Wing, Trade World, Kamala Mill Compound, Senapati Bapat Marg,Lower Parel	Mumbai	400013	Maharashtra	Jagatprakash Gangaprasad Saraogi	email@shalimarpack.com
37	Shree Hari Polyfab	8, Nr, Kenyug Aprt, Nr, Yogashram,, Satellite,	Ahmedabad	380015	Gujarat	Malvaniya Mukeshbhai Bachubhai	shrihari-polyfab@gmail.com

New Members

38	Shrigovind Polytex Private Limited	Senger Industrial Area, Ramnagar Chandauli,		232101	Uttar Pradesh	Vikash Chaudhary	polytex007@gmail.com
39	Shubh Labh International Pvt Ltd	F-1821, Dsidc, Industrial Area, Narela,	Delhi	110040	Delhi	Nikhil Singhal	shubhlabh.ipl@gmail.com
40	Sintex-Bapl Limited	Abhijeet 1, 7th Floor, Mithakhali ,Six Roads , Ellisbridge,	Ahmedabad	380006	Gujarat	Yashovardhan Agarwal	gautam.prajapati@sintex.co.in
41	Smart Pack	New No.116, Old No.81,Manickam Lane, Mount Road, Guindy ,Near Zen Garden Hotel,Guindy Chennai Tamil Nadu 600032	Chennai	600032	Tamil Nadu	Balasubramanian Swaminathan	sudha@smartexpos.in
42	Sneha Polyfab Private Limited	Unit No.108 Ndm-1 Netaji Subhash Place Pitampura	Delhi	110034	Delhi	Narayan Baheti	snehapolyfab@taxsunil.com
43	Sri Kumaran Hairs	9/1, Chinnapillayar Kovil Street, Kalanivasal,,Karaikudi	Sivaganga	630002	Tamil Nadu	Surega	kumaranhairs2020@gmail.com
44	Sri Lavanya Agencys	No.34, Mannadipet Commune,Cuddalore Road Thirubhuvanai,Pondicherry	Villupuram	605107	Puducherry	Thirunavukkarasu	thiru31081976@gmail.com
45	Swachh Sustainable Solutions Private Limited	A-03, Juhu Ruturaj Chs, Juhu Tara Rd, Opp. Sndt College, Santacruz West,	Mumbai	400049	Maharashtra	Gurashish Gurpreet Sahni	gurashish@recircle.in
46	Trident Mediquip Limited	2004 North Extension, Falsawadi, Near Sahara Darwaja,	Surat	395003	Gujarat	Hardik Jigishkumar Desai	info@tridentmediquip.com
47	Vvr Polyfilm	Survey No.208/5/1/1, Gala No.1 To 7, 13 To 22 Konark Udyog Bhavan, Parsuram Puniya Road Alok City, ,	Silvassa	396230	Dadra & Nagar Haveli And Daman & Diu	Vijesh Bhanji Chamariya	vvrpolyfilm@gmail.com