

GLASS News



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Bi-lingual

SGD PHARMA APPOINTS DEEPAK SOOD AS ITS NEW MANAGING DIRECTOR

SGD Pharma has appointed Mr. Deepak Sood as its new Managing Director & General Manager - BU for India, in replacement of Mr. Sardar Akshay Singh.



Mr. Sood has an experience of 30 years in life science in the APAC & India regions. He joined SGD Pharma from Lonza where his last position was Vice President APAC for the capsules and health ingredients business. Mr. Sood started his career with Bayer Diagnosis and then moved to biotech research with Thermo Fisher Scientific to lead Sales & Marketing for South Asia and then Business development for APAC. In 2011, he joined the bio sciences business of Lonza, as Business Director India & Middle East.

Mr. Sood holds a Bachelor

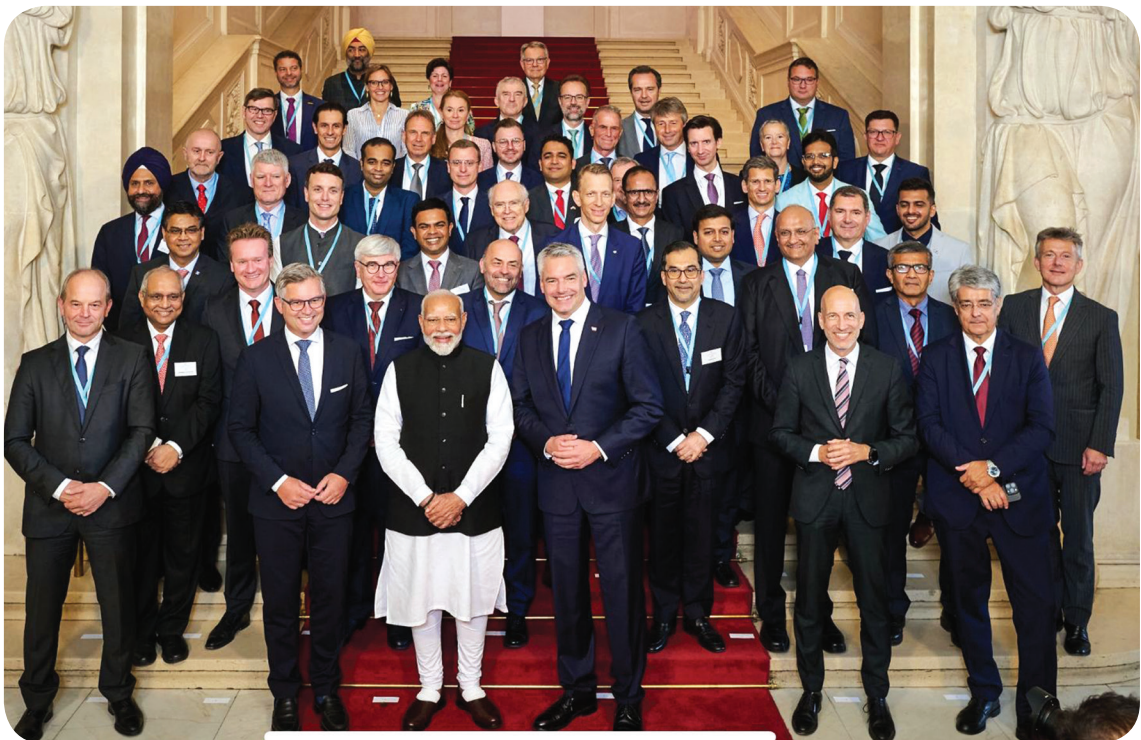
of Science in Chemistry and Biochemistry and a Post-graduate degree in Business administration from the Institute of Management Technology.

RHI MAGNESITA SEEKS POLICY MEASURES FOR REFRACTORY RAW MATERIAL SUPPLY SECURITY OF INDIA

RHI Magnesita, the Global leader in the manufacturing and supply of refractory products, systems, and solutions, has appealed to the Government of India for strategic policy initiatives to diversify the sourcing of critical refractory grade minerals to ensure raw material supply security for the sustainable growth of the country. This was pressed upon by Mr. Gustavo Franco, Chief Customer Officer of the company, during the India-Austria Business Meet held recently as part of Prime Minister

Narendra Modi's visit to the Austrian capital, Vienna. The company has also requested policy measures to restrict the environmentally harmful landfilling of used refractories and to promote recycling, which in turn ensures the availability of secondary raw materials for the industry and contributes towards building a circular economy.

Mr. Parmod Sagar, Managing Director and CEO of RHI Magnesita India Ltd. said, "Refractory products and solutions are critical for production of steel, cement, glass, aluminium, energy and all such products that require high temperature manufacturing processes. India, purely for geological reasons, lacks domestic sources for critical raw materials like refractory grade Magnesite and Alumina. With very high import dependency, it is imperative to have a diversified sourcing network for supply security to ensure long term sustainability of the Make in India drive."



India is already a pioneer in recycling in the refractories sector due to its low reserves of raw materials. However, there is still enormous potential, as thousands of tonnes of used but valuable refractory material is thrown into landfills. Landfilling is not only extremely damaging to the environment, but it also results in the enormous waste of precious raw materials. The company has asked for preventive policy measure on landfilling. This would protect the environment, level up the reuse of important raw materials and push recycling. The entire industry - including the steel industry in India would improve CO₂ footprint while ensuring further raw-material security through circular economy solutions.

Mr. Sagar reiterated that RHI Magnesita India is fully aligned with PM Modi's Atmanirbhar Bharat vision and will continue playing a crucial role in India's growth story. The company has committed approximately 400 mEur (Rs. 3600 Cr) of phased investment by FY 2026 to build and modernize its production capacity in India. Out of this, it has spent about 300 mEur in last 2 years in India for building local capacity. It now has more than 500,000 tons of local refractory production capacity in India.

RHI Magnesita India Ltd. is the leading global manufacturer and supplier of high-grade refractory products, systems and solutions which are critical for high-temperature processes exceeding 1,200 °C in a wide range of industries, including steel, cement, non-ferrous metals and glass. This includes Magnesia and Alumina based bricks and mixes for large industrial customers as well as specialty refractory products like Isostatic products and Slide Gates. With 2,000+ strong skilled workforce in 8 state-of-the-art manufacturing plants, 3 main offices, 30 site offices across the country and a world-class R&D centre at Bhiwadi, RHI Magnesita India serves customers in India and more than 75 countries. www.rhimagnesitaindia.com

FOCUS ON THE ESSENTIALS! HEYE "GLASS PEOPLE" HAVE THE RIGHT TECHNOLOGY MIX

Glasstec is a much anticipated event in the glass industry. From brand new innovations to enhancements of existing products, Heye International is excited to showcase its latest advancements at glasstec 2024 in Düsseldorf.

The Heye SmartLink provides glassmakers with detailed manufacturing process data for individual analysis, acting as a secure data gateway. Users can store and analyse equipment data to gain insights into key production metrics, utilising features such as JSON data exchange format and MQTT-Broker communication for a truly smart manufacturing process.

Another highlight at Heye's exhibition stand will be the introduction of the Multilevel Safety and Protection Concept, featuring the Heye BlankSideRobot and Heye Protection Grids designed to enhance safety and efficiency on the blank side of IS machines.

The Heye BlankSideRobot, with its sleek and compact design, performs mould lubrication on the blank side. In addition to key features such as precise swabbing with minimal lubricant consumption and the elimination of the need to reject bottles after swabbing, significant

emphasis has been placed on ensuring the safety of both the system and the operating personnel. The robot is equipped with a 3-stage collision detection and prevention system to prevent potential collisions between the robot and the invert, along with intelligently designed safety features aimed at enhancing the safety of the personnel.

Complementing the BlankSideRobot are specially developed Heye Blank Side Protection Grids. The grids, positioned on each section and integrated into the machine control system, provide additional safety on the blank side. They can be synchronised with the Heye BlankSideRobot or function autonomously. When operating in standalone mode, the protection grids are controlled manually, facilitating tasks such as manual lubrication or section maintenance on the blank side. In combination with the Heye BlankSideRobot, the protection grids synchronise with the robot's lubrication cycle, ensuring optimal safety.

As a next step in the evolution of a proven and successful product, Heye will showcase the Dual Motor Shears at their stand. The key enhancement lies in the redesigned shear arms featuring an innovative gob guide. This new design offers improved rigidity, resulting in enhanced precision and extended durability for this easy-to-maintain equipment.



Heye's Smart Plant, which combines various innovative solutions and elevates glass-making technology to a new level, will be showcased at the glasstec exhibition with two products: Heye GobMaster and Heye SmartLink.

Heye GobMaster is a camera-based system, which provides precise control of the gob weight in BB production processes. The software analyses geometric data from 3D images generated by two cameras, allowing for accurate calculation of the gob volume and weight. Should malfunctions or deviations be detected, the system responds immediately by rejecting the article at the hot end. Simultaneously, mechanical adjustments are made automatically to correct the deviations by adjusting the tube height and plunger position at the feeder.

As equipment for the cold end, the SmartLine 2 to be presented at the show contains an improved motion control concept, reducing the costs of spare parts inventory and improving performance.

Further new developments have been made in the area of AI. As a complement to the Ranger 2 check detection system, Heye is launching an additional image processing variant that includes additional AI functions.

Fundamentals of good glassmaking never change – new technologies enhance them. The experts at Heye see themselves as 'glass people' with the necessary expertise to produce good containers. This is always a suitable mix of innovations and fundamentals. A tried and tested operation is the NNPB lightweight technology, which is more relevant than ever today: less raw material and energy, higher quality and added value with higher output, revenue and margin.



President Designate AIGMF Mr. Rajesh Khosla and Mr. Dave Fordham, Member Editorial Board of KANCH (AIGMF's Glass journal) and Global Engagement Lead for Glass Futures (United Kingdom) at the 46th ASEAN Glass Conference, which was held from Sept 23-27 in Bali, INDONESIA themed 'Glass in The New World: Innovating for a Greener Tomorrow'.

The conference serves as a platform for industry leaders, professionals, experts and all other stakeholders to share insights, exchange knowledge and discuss advancements in the glass industry. The conference carried good combination of technical sessions, business connect sessions, as well as social networking events.

Talk to our experts and visit Heye stand 14C18 at glasstec 2024 to discover Heye's product highlights and learn how they can take your glass production to new heights.

Based at Obernkirchen, Germany, Heye International GmbH is one of the international glass container industry's foremost suppliers of production technology, high performance equipment and production knowhow.

Its mechanical engineering has set industry standards for more than six decades.

Extensive industry expertise, combined with the positive attitude and enthusiasm of Heye International employees is mirrored by the company motto 'We are Glass People'. Its three sub-brands HiPERFORM, HiSHIELD and HiTRUST form the Heye Smart Plant portfolio, addressing the glass industry's hot end, cold end and service requirements respectively.

AIGMF PRESIDENT AT TECNA

At the invitation of the Italian Government, President AIGMF Mr. Sanjay Agarwal participated in TECNA from Sept 24-27, 2024 at Rimini Expo Centre, ITALY. The visit was sponsored by the Italian Trade Commission in New Delhi.

TECNA represents the global meeting point for technology and innovation for the production of all types of surfaces and materials, from the most traditional to the most innovative (ceramics, natural and reconstructed stone, wood and parquet, glass, laminates, concrete and metal), where exhibitors have the opportunity to meet national and international buyers from all sectors in the surfaces industry.

With more than 40% of exhibitors and 50% of visitors coming from abroad, TECNA is a global reference point for innovation and technology, an international hub for development in surfaces.

**CELEBRATING GLASS,
ACHIEVING SUSTAINABILITY,
INSPIRING TRANSFORMATION**

The year 2022 will go down for many as the year that COVID finally lost its grip on societies around the world and a new reality began to emerge. For those in the Worldwide Glass Community it will be remembered as much because it was the United Nations- International Year of Glass (IYOG), an international celebration around the globe of the richly diverse and sustainable contribution that glass makes to our daily lives.

The subject book reveals the backstory of the application to the UN and records the year-long party that followed in countries from every continent. The book is a photographic and written record for all who participated and is a guidebook for others on similar journeys in the future. It encapsulates warm memories, but the authors hope it will also stimulate future action in a world which desperately needs a framework for sustainable living.

The book is based on submissions by many different IYOG participants. Indeed, so many that inevitably not all are named, nor their contributions properly acknowledged.

Team Members of RO17 (India_Iran_Pakistan) comprised of Mr. Sitendu Mandal, Chief Scientist and Head Specialty Glass Division (SGD),



Secretary AIGMF Mr. Vinit Kapur presenting a copy of the book 'Celebrating Glass, Achieving Sustainability, Inspiring Transformation' to its Regional partner Mr. Saeed Keshavarz Motamedi from Iran on his maiden visit to the AIGMF office in New Delhi on Sept 11.

CGCRI, Dr. Atiar Rahman Molla, Principal Scientist, CGCRI, Mr. Vinit Kapur, Secretary, The All India Glass Manufacturers' Federation (AIGMF) & RO Coordinator with ICG/IYOG and Mr. Saeed Keshavarz Motamedi, Consultant, IRAN.

The Report from RO17 (India, Iran and Pakistan) is covered from page 181-191 with references of India appearing in different sections.

Starting with Apr-June 2024 issue in KANCH (Glass journal of the AIGMF) we have started to reproduce all articles in parts.

A new tab has been created at www.aigmf.com with a link to download complete PDF of the book.

SAD DEMISE OF V N GAUTAM

Mr. V N Gautam a long time President (Technical) of Gopal Glass Group left for heavenly abode on Sept 24.



A prayer meeting was kept at the Annual General Meeting of the AIGMF on Sept 30 at Delhi.



NEW OFFICE BEARERS ELECTED OF THE AIGMF

Following were elected as the new Office Bearers of the AIGMF for the Year 2024-25 at the Annual General Body Meeting held on Sept 30, 2024 in New Delhi:

President - Mr. Rajesh Khosla
AGI Greenpac, Hyderabad

Sr. Vice President - Mr. Shreevar Kheruka, Borosil Ltd., Mumbai

Vice President – Mr. Mukesh Kumar Bansal, Shri Sitaram Glass Works, Firozabad

Hon. General Secretary - Mr. Purvish Shah, Gopal Glass Works Ltd., Ahmedabad

Hon. Treasurer - Mr. Pawan Shukla, Schott Glass India Pvt. Ltd., Bharuch

On the recommendations of Zonal Associations following were nominated as members of the Executive Committee for the year 2024-25:

Eastern India Glass Manufacturers' Association (EIGMA)

1. Mr. Vinay Saran - HNG & Inds. Ltd., Kolkata

Northern India Glass Manufacturers' Association (NIGMA)

1. Mr. Shailendra Kumar Misra - HNG & Inds. Ltd., Bahadurgarh

2. Mr. Sumit Gupta- Emerge Glass India Pvt. Ltd., Delhi

South India Glass Manufacturers' Association (SIGMA)

1. Mr. Varun Gupta, Triveni Pattern Glass Pvt. Ltd., Andhra Pradesh

2. Mr. O P Pandey, AGI Glaspac, Hyderabad

U.P. Glass Manufacturers' Syndicate (UPGMS)

1. Mr. Manish Bansal - G.M. Glass Works No. 2, Firozabad

2. Mr. Ritesh Mittal - Meera Glass Industries, Firozabad

3. Mr. Anurag Mittal - Geeta Glass Works, Firozabad

4. Mr. Anurag Gupta - Om Glass Works (P) Ltd, Firozabad

5. Mr. Devansh Gupta - Tigersons Glass Inds. P. Ltd., Firozabad

Western India Glass Manufacturers' Association (WIGMA)

1. Mr. G K Sarda - Empire Ind. Ltd., Vitrum Glass, Mumbai

2. Mr. Ashok Jain - Borosil Ltd, Mumbai

3. Mr. Hemal Thakor - Piramal Glass (P) Ltd., Mumbai

4. Mr. Gaurav P Rathod, Cello Industries Pvt. Ltd., Mumbai

5. Mr. Sanjeev Kapoor, Kapoor Glass India Pvt. Ltd., Mumbai

The following are co-opted members of the Executive Committee for the year 2024-25:

1. Mr. Sanjay Somany - HNG & Ind. Ltd., Bahadurgarh

2. Mr. Pradeep Kumar Gupta - Om Glass Works Pvt. Ltd. Firozabad

3. Mr. P K Kheruka - Borosil Ltd. Mumbai

4. Mr. Mukul Somany - HNG & Ind. Ltd., Kolkata

5. Mr. S C Bansal - Adarsh Kanch Udyog, Firozabad

6. Mr. S K Jhunjhunwala - La Opala RG Ltd., Kolkata

7. Mr. Sanjay Ganjoo - Asahi India Glass, Mumbai

8. Mr. Raj Kumar Mittal, Mittal Group of Glass Industries, Firozabad

9. Mr. Bharat Somany, HNG & Ind. Ltd., Bahadurgarh

10. Mr. Sanjay Agarwal, Kwaliti Glass Works, Firozabad

IIT-BHU RESEARCHERS DEVELOP NOVEL BIOACTIVE GLASS FOR ULCER TREATMENT

The team has developed an innovative oral bioactive glass formulation containing BaBG, which has shown

promising protective and therapeutic effects against gastric and duodenal ulcers.

Researchers from the department of pharmaceutical engineering & technology at the Indian Institute of Technology- Banaras Hindu University (IIT-BHU) have made a significant breakthrough in treating gastro-duodenal ulcers, a common form of peptic ulcer.

Led by Prof. Sairam Krishnamurthy and research scholar Pankaj Paliwal, the team has developed an innovative oral bioactive glass formulation containing micronised barium oxide (BaBG), which has shown promising protective and therapeutic effects against gastric and duodenal ulcers. This formulation neutralises stomach acid, alleviating ulcer severity, and promotes cell proliferation to aid in healing. Additionally, it forms a protective barrier that shields ulcers from harmful agents.

Prof. Krishnamurthy highlighted that peptic ulcers affect 11.22% of India's population, while duodenal ulcers have a global prevalence of 3%. These ulcers, more common in men, are often caused by H. pylori infection, non-steroidal anti-inflammatory drugs (NSAIDs), smoking, daily aspirin use, and gastrointestinal cancers. They occur when the stomach's acidic defense is compromised, leading to ulcer formation.

Currently, Proton Pump Inhibitors (PPIs) and Histamine Type 2 Receptor Blockers are commonly used to reduce stomach acid and treat ulcers. However, long-term use of these medications can lead to side effects, underscoring the need for safer alternatives.

The safety and efficacy of this novel bioactive glass formulation have been extensively validated, with findings

published in reputed journals such as Ceramics International and ACS Omega. BaBG's longer half-life also ensures better patient compliance compared to current medications.

The research, titled "An Oral Bioactive Glass Formulation Containing Aqueous Micronised Barium Oxide for Treating Gastro-Duodenal Ulcers," has been granted a patent by the Indian Patent Office. Doctoral students Pankaj Paliwal and Shreyasi Mujumdar played pivotal roles in the research, which spans over a decade. According to Professor Krishnamurthy, the product is expected to enter the market following successful clinical trials.

ECO CLAY INDIA BRINGS GLASSOMITE TO GLASSTEC FAIR

Glassomite, is an eco friendly alumina rich source containing all major glass making oxides (99% glassy in nature or acts like cullet or recycled glass) has its unique melting and refining benefits which provides glassmakers to achieve several benefits aligning to Sustainability and Decarbonisation goals with energy savings & improved glass quality via recycled materials. It is produced from granulated blast furnace slag which is a by-product of the steel making industry.

Eco Clay India has access to decades of glass making expertise and technical know-how on assisting glassmakers of successful implementation on site locally in India and overseas. It is gaining customers' confidence by delivering Reduce energy consumption; Improves Glass quality; Reduces Greenhouse gas emissions; -Extended furnace campaign life with lessor refractory attack. It can save up to 600 to 700 kgs of CO₂ process emissions per tonne of Glassomite if used.

In a significant move it is opening a new manufacturing facility at a strategic location in Surat, Gujarat INDIA which is close to port for exports and making easy access to rail & road facilities for the inbound glass makers, aimed at increasing efficiency and reducing environmental impact while staying committed to sustainable practices.

Glassomite expands reach with new supply chains to Mexico, Tanzania and Australian markets, it also has one stop solutions for all premium batch materials like alumina, iron oxide, chrome flour and many more with diverse product portfolio.

Eco Clay team is available to meet at the booth # 15D01, Hall 15 at the glasstec trade fair from Oct 22-25 in Düsseldorf, GERMANY. www.glassomite.com

BRITISH GLASS UNVEILS UPDATED ROADMAP TO REACH AMBITIOUS 90% GLASS RECYCLING RATE

The 'A Roadmap to Closed Loop Glass Recycling' report, created in collaboration with WRAP, outlines the path to achieving a 90% recycling rate for UK glass packaging by 2030, integrating the latest data and insights.

The roadmap emphasises the necessity of improving both the quality and quantity of glass collected, advocating for two-stream recycling systems, public awareness initiatives, and alignment with upcoming legislative frameworks such as Simpler Recycling.

Some analysts say this is part and parcel of the glass industry's push to keep glass packaging material out of the upcoming deposit return scheme (DRS), due to be rolled out in 2027.

British Glass said the updated roadmap makes use of the latest available glass data for the UK including composition by stream, exports, and PRN returns.

The report also reveals the highest and lowest performing local authorities in terms of household glass collection, highlighting those that do not currently collect glass at kerbside.

The updated report provides insights into optimising collection and sorting processes, ensuring that more glass is recycled back into new glass packaging.

The association said: "British Glass and WRAP encourage stakeholders across the glass manufacturing and recycling sectors, as well as local authorities and policymakers, to engage with the roadmap and support its implementation".

With the UK recycling rate for glass being just under 75%, it said improvements can still be made to capture more glass at high quality levels.

The Welsh Collection Blueprint is used as an example of good practice, with 2023 figures showing 92% of glass disposed at home in Wales is placed in the recycling box.

Mr. Nick Kirk, Technical Director, British Glass, said: "The updated roadmap is a significant step forward in our mission to transform the UK's glass recycling infrastructure. By implementing the recommendations on the collection of glass as outlined in this report, we can move closer to a true circular economy of glass, ensuring that more glass packaging is not only recycled but reprocessed into new glass packaging here in the UK. We look forward to supporting the waste collection sector in collecting more good quality glass, to continue the increase in the recycled content of UK manufactured glass packaging."

कांच निर्यातक ने हरियाली बढ़ाने के लिए 13 वर्षों में रोपे दो लाख पौधे

देश-विदेश में कांच की धाक जमाने वाले शहर के एक प्रमुख निर्यातक अपना सामाजिक सरोकार भी निष्ठा से निभा रहे हैं। धरा को हरा-भरा बनाने के लिए 13 वर्षों में दो लाख से अधिक पौधे रोप चुके हैं। जो कई स्थानों पर छोटे जंगल के रूप नजर आते हैं। हाइवे और प्रमुख मार्गों के किनारे भी उनके लगाए पौधे वृक्ष बनकर राहगीरों को ठंडक पहुंचा रहे हैं।

शहर के प्रमुख कारोबारी मुकेश बंसल (टोनी) को कांच निर्यात के लिए केंद्र व प्रदेश सरकार से कई पुरस्कार मिल चुके हैं। वह बताते हैं कि वर्ष 2002 में राष्ट्रीय राजमार्ग प्राधिकरण (एनएचएआइ) द्वारा जिले की सीमा में हाइवे का निर्माण शुरू कराया गया। इस दौरान दोनों तरफ लगाए गए सैंकड़ों पेड़ों को काट दिया गया, जिससे पर्यावरण को बहुत बड़ा नुकसान हुआ। जब भी दिल्ली, नोएडा जाते थे, तो हाइवे से पेड़-पौधे गायब होने पर मन में बहुत पीड़ा होती थी। तब पर्यावरण संरक्षण के लिए कुछ काम करने

का संकल्प लिया। शुरुआत में 100 पौधे ही लगाने का निर्णय लिया। इसे पूरा करने के बाद लगा कि पर्यावरण को बचाने के लिए और अधिक पौधे लगाने होंगे। अब हर वर्ष पौधारोपण कराते हैं। उद्यमियों की संस्था साथी फाउंडेशन की मदद से अब तक दो लाख से अधिक पौधे लगवाए जा चुके हैं।

SGD PHARMA SHOWCASES 20% POST-CONSUMER RECYCLED GLASS PACKAGING

SGD Pharma, a global cosmetic and pharmaceutical glass packaging provider, successfully completed its first campaign using 20% post-consumer recycled (PCR) glass cullet. The new sustainable PCR glass bottles are manufactured at SGD Pharma's Zhanjiang, China plant.

The PCR glass bottles offer improved sustainability by reducing the use of virgin raw materials and carbon emissions, thanks to less energy consumption during the melting process. This provides cosmetics

brands with a more sustainable primary packaging option which will contribute to reducing their Scope 3 emissions.

SAD DEMISE OF SUDHA SOMANY



Mrs. Sudha Somany (w/o late Mr. C K Somany, Former President AIGMF; mother of Former Presidents Mr. Sanjay Somany and Mr. Mukul Somany and grand-mother of Former President Mr. Bharat Somany) left for heavenly abode on Sept 12 in Kolkata.

A prayer meeting was kept at the Annual General Meeting of the AIGMF on Sept 30 at Delhi ■

New Members

COMPANY	PRODUCTS / SERVICES
RHI MAGNESITA INDIA LIMITED Contact Person: Mr. Dipen Shingadiya & Mr. Sayan Sengupta 19 th & 20 th Floor, DLF Square, M-Block, Phase-I Jacranda Marg, Dlf City, Gurugram Haryana – 122202 Phone- +91 94282 41606, +91 94371 07283 Dipen.Shingadiya@rhimagnesita.com Sayan.sengupta@rhimagnesita.com	Products offering a technologically innovative, extended high-quality portfolio in the flat glass, container glass and special glass segments. The product and service portfolio covers the entire range of unshaped products and ceramically bonded bricks, used in the melting process for various glass types. The basic refractories line exhibits excellent performance in regenerators. For all of the glass industry furnaces, silica, alumina-silica, alumina, zircon and chrome- containing high-performance refractories meet the customer requirements. Refractory Manufacturers and Suppliers for Glass.
LTA TOURS PRIVATE LIMITED Contact Person: Mr. Pradeep Chawla 408 Ansal Imperial Tower, C-Block Commercial Centre Naraina Vihar New Delhi - I 10028 Phone- +91 88006 94669/74 pradeep@ltatours.com , info@ltatours.com	Travel related services. LTA has been associated with AIGMF for almost 15 years. Have organised delegation visits to China Glass, glasstec and even helped in the application process for getting a successful MSME grant for glasstec visit in 2016. Goa visit arrangements for 2024 are managed by them.
SGD CORNING TECHNOLOGIES PVT. LTD. Contact Person: Mr. Ravi Kumar Murthy Buddha Moosapet Mandal, Mahabubnagar, Telangana- 509380 Phone +91 76589 34455 ravi.murthy@sgdgroup.com , mukul.s@sgdgroup.com , meesam.hussain@sgdgroup.com	Manufacturers of Borosilicate Tubes & Vials.

(News Source:
AIGMF Research Team / World Wide Web)



GLASSTECH ASIA FENESTRATION ASIA



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Façade in Asia.**

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glaston

LiSEC

'Glass Decorates' hails the Youth

(August 12, 2024 DELHI)

To encourage the Young Minds and to commemorate the International Youth Day, The All India Glass Manufacturers' Federation (AIGMF) organised its annual contest on 'Glass Decorates' or कांच से सजावट।

The contest invited online entries from the Youth between 7-24 years by means of essays, poems, drawings, photography, etc. Hundreds of entries were received from schools and colleges across India.

1st Prize (Rs. 25,000) was given to Aadita Kalra aged 12 years, 8th class student of Vikas Bharati Public School, DELHI

2nd Prize (Rs. 15,000) was given to Anushka aged 15 years, 10th class student of Bal Bharti School, Bahadurgarh HARYANA

3rd Prize (Rs. 10,000) were given each to:

— Khush Mann aged 12 years, 7th class student of The Mann School, DELHI

— Devang Dalvi aged 14 years, 10th class student of Reliance Foundation School, Lodhivali MAHARASHTRA

— Nvyanna Khanna aged 15 years, 11th class student of Adarsh Public School, NEW DELHI

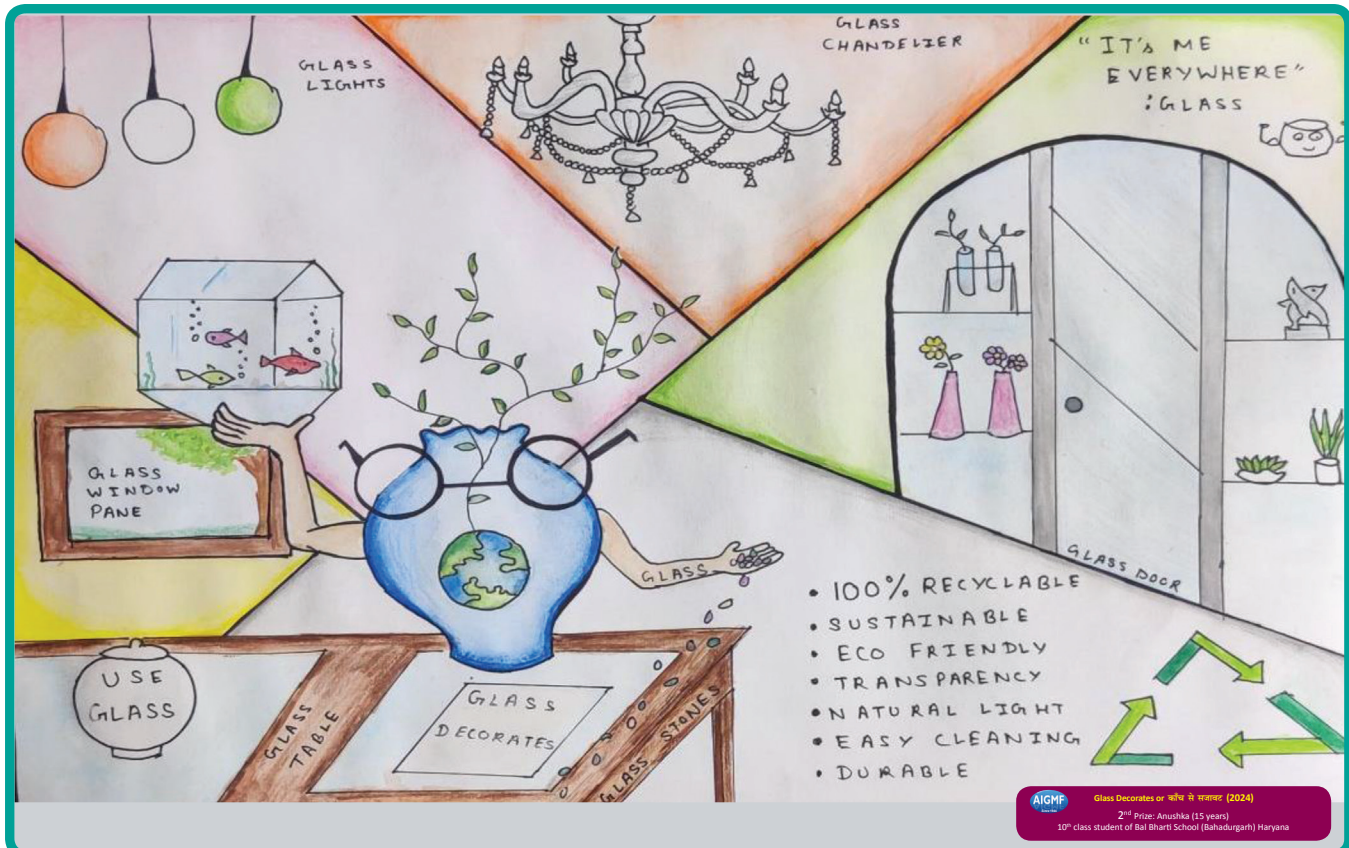
कांच से सजावट कविता

कांच, तुम इतने नाजुक और सुंदर हो,
टूटते ही तुम बिखर जाते हो।
लेकिन तुम्हारे टुकड़ों में भी खूबसूरती नज़र आती है,
तुम्हारी दरारों में भी एक कहानी है।
तुम्हारी पारदर्शिता में सच्चाई है,
तुम्हारी झलक में जीवन की राहें हैं।
तुम्हारी मजबूती में कमजोरी है,
तुम्हारी सुंदरता में खतरा भी है।
तुम्हारे बिना जीवन अधूरा है,
तुम्हारे साथ जीवन रंगीन है।
तुम्हारे दर्पण में हमें अपना अक्स दिखता है,
तुम्हारी खिड़की में दुनिया का नज़ारा है।
कांच, तुम वास्तव में अनमोल हो,
तुम्हारी कीमत किसी भी कीमत से नहीं तोली जा सकती।
तुम हो तो जीवन खूबसूरत है,
तुम्हारे बिना तो अपना चेहरा भी नहीं देख सकते,
ए, कांच तुम बिन जीवन कैसा होता?

शब्द पंडित्य: यह असाइनमेंट मेरा मूल कार्य है, मैं समझती हूँ कि किसी और के कार्य की नकल करना गलत है और समान कार्य को दूसरों को प्रस्तुत करना साहित्यिक चोरी है।

-आदिता कालरा

AIGMF Glass Decorates or कांच से सजावट (2024)
1st Prize: Aadita Kalra (12 years)
8th class student of Vikas Bharati Public School, Delhi



AIGMF Glass Decorates or कांच से सजावट (2024)
2nd Prize: Anushka (15 years)
10th class student of Bal Bharti School (Bahadurgarh) Haryana

Glass Decorates

Glass Decorates the morning light,
A prism's dance, a sheer delight.
Windows framed with crystal clear,
Reflecting dawn's first blush sincere.

Ornate vases on a sill,
Hold the sun, their colour fill.
Stained glass whispers tales of old,
In vibrant hues, their stories told.

Chandeliers that softly gleam,
Sparkling in a twilight dream.
Each pendulous drop, a star so bright,
Casts a spell of glowing light.

Mirror framed in gilded grace,
Capture every floating face.
With every glance, a new design,
In silvered depths, our worlds align.

Bottles, bowls, and crystal beads,
A feast of beauty, heart it feeds.
Intricate patterns etched with care,
Glass adorns with style rare.

In homes, in halls, a silent song,
A testament to art lifelong.
Glass decorates with gentle touch,
In stillness, it reveals so much.

AIGMF Glass Decorates or काँच से सजावट (2024)
3rd Prize: Khush Mann (12 years)
7th class student of The Mann School, Delhi

The vase of a palace



As you can see I am a beautiful and elegant vase in this mansion, adored with flowers but I won't be sorry to say that this wasn't the case years back when my journey started. Millions of years back there was this giant rock which no one was able to move. That gigantic rock was me or more precisely a part of me. The ego in me was shattered soon as I was losing the war with the forces of nature. Slowly broken down into smaller fragments. Years went by and I was getting smaller and smaller, soon I was just a pile of sand being stepped on and being blown. This continued for years until one day I met them, the humans. They took me to a faraway place which was unknown to me I saw that they were doing something to other of my kind I didn't know what they were doing but was soon to find out as it was my turn next. I was taken to a big cave made of mud it was hot over there, I would say it was over 1000°C. They called it 'the furnace'. I was thrown into it and it seemed like the pure definition of hell. I saw that my body was changing; I was turning red and was glowing brightly. I felt like molten lava coming from a volcano burning everything in front of me. This lasted for a few minutes after which a rod entered the dome. It was stuck in me; it pulled me out of the dome and kept me in some kind of metal mould. The human held the rod and started spinning it. The human was giving me a round shape. As I was admiring my shape I felt a cool breeze, I noticed that the human was blowing into me, I was growing in size, I noticed that the insides of me were getting hollow. I was getting turned into a bubble. As I was thinking I felt myself getting longer, the human held me down and was rolling me on some kind of metal. It was now that I notice my body, I was now clear and see through. He wrapped my neck with something which felt silky and glued a piece of paper with numbers written on it, he then took me and kept me on a plank. I was then taken by a human to the mansion where I am right now. Every day he cleaned me, changed the water in me and kept new flowers. I was something special to him. He always checked me may it be the start of day of the end of it. He is even writing something about me. I finally received the respect I asked for all these years. I was finally happy in this long life on mine.

Written by Devang Dalvi

AIGMF Glass Decorates or काँच से सजावट (2024)
3rd Prize: Devang Dalvi (14 years)
10th class student of Reliance Foundation School (Lodhivali) Maharashtra

The Jury comprised of Mr. Gurmeet Singh, Chairman, Federation of Safety Glass (FOSG) and Managing Director, Gurind India (P) Ltd.; Mr. G N Gohul Deepak, Executive Director, Glazing Society of India (GSI); Mr. Dave Fordham, Member Editorial Board of KANCH (AIGMF's Glass journal), Former Publisher of Glass Worldwide magazine and Global Engagement Lead for Glass Futures (United Kingdom); and Mr. Vinit Kapur, Secretary of The All India Glass Manufacturers' Federation.

"An excellent initiative by Glass Fraternity to create awareness on Glass amongst the upcoming younger generation. The response from the youngsters has been overwhelming. The way they have expressed their passion in a creative and artistic manner is highly commendable. I wish the participants greater success in their future endeavours." said Mr.

Gurmeet Singh, Chairman, Federation of Safety Glass (FOSG) and Managing Director, Gurind India (P) Ltd.

"It is very promising to see the hand work of our younger generation and their excellent efforts to learn about glass. We appreciate the continuous efforts of AIGMF in reaching out to young India" said Mr. G N Gohul Deepak,

Glass

Glass is a delicate and translucent beauty, reflecting the paradoxical nature of human existence. Just as Sisyphus is condemned to eternally roll a boulder up a hill, only for it to perpetually tumble back down, this cyclical, futile labor starkly represents the absurd—the incongruity between human aspiration and the indifferent universe. Glass, too, can be shaped into exquisite forms, but it is inherently vulnerable to fracture. The act of creating something beautiful from such a fragile material is akin to Sisyphus's endless toil: a constant battle against entropy and impermanence.

The transparency of glass offers a clear view, yet it can also distort and refract light. This ambiguity mirrors the human condition, where clarity and confusion often coexist. Sisyphus, while aware of his plight, continues his task. His lucidity, as Camus terms it, is a form of defiance against the absurd. Similarly, understanding the fragility of glass does not diminish its beauty but rather enhances it.

Unlike Sisyphus, however, glass can be recycled and reformed. It carries within it the potential for rebirth, a glimmer of hope amidst its fragility. Camus suggests that it is in the struggle itself, rather than the goal, that meaning can be found. The act of creation—shaping something from seemingly nothing—is a defiant assertion of the human spirit, much like Sisyphus's continual ascent.

Glass, like Sisyphus's boulder, constantly reminds us of our limitations. It can be broken, shattered, and reduced to fragments, yet it can also be reformed and reshaped. This dual nature mirrors the human capacity for both destruction and creation. In the face of the absurd, as Camus suggests, the only true philosophy is to live, to experience, and to create. The act of shaping glass, like Sisyphus's endless labor, testifies to the human spirit's indomitable will to find meaning in a meaningless world.

As Camus wrote, "The struggle itself towards the heights is enough to fill a man's heart. One must imagine Sisyphus happy." Similarly, in the creation of glass—in its shaping and reshaping—there is a kind of joy, a defiance against the inevitable. Both Sisyphus and the glassmaker, in their respective labours, create beauty and meaning from the most mundane and often futile materials.

In the end, both glass and Sisyphus stand as powerful metaphors for the human condition. They represent our capacity for creation and destruction, our longing for meaning in an indifferent universe, and our ultimate defiance against the absurd.

AIGMF Glass Decorates or काँच से सजावट (2024)
3rd Prize: Nvyanna Khanna (15 years)
11th class student of Adarsh Public School, Delhi

-Nvyanna Khanna

Glass Decorates

By- Akshita Tejwani

Shimmering like an elegant **glass ornament**,
Radiating its charm through a **glassy temperament**.
Glass Vases reflecting the flowers' graceful beauty,
Illuminating **glass bulbs** on their radiant duty .

While **glass partitions** mark the boundaries clear,
Glass stair railings add a modern touch, both safe and near.
Sleek and modern **glass table tops** transform the dining scene,

While shiny and elegant **glass tiles** add a sophisticated sheen.

Glass shelves fulfill both storage and display needs,
While **glass windows** let natural light intervene and succeed.
Glass sculptures with their artistic rhythm,
Glass chandeliers with their elegant prism.

Beautiful **glass mosaic patterns** reflecting on home walls,
While **glass beads** adorn jewelry with sparkling calls.
While **glass mirrors** echoing a surreal, inner calm,
Green glass panels keeping the warmth like a balm.

Glass cookware adds a touch of elegance,
While **glass water bottles** provide practical sustenance.
Recycled glass products adorn our Mother Earth,
Bringing beauty and sustainability to their worth.



AIGMF Glass Decorates or काँच से सजावट (2024)
Special mention: Akshita Tejwani (16 years)
12th class student of Maharani Gayatri Devi Girls School (Jaipur) Rajasthan

"It is our 7th year in a row when we have involved Youth for such assignments and every year, we get to learn something new from the Young minds related to Health and Environment and how Glass is vital in our daily lives" said Secretary AIGMF Mr. Vinit Kapur.

Special mention was made by the Jury for excellent works

The cash prizes for the winners were sponsored by Schott Glass India Pvt. Ltd., producing Type I pharma tubing primarily meant for Glass Vials which were also supplied worldwide for packaging COVID vaccination. Mr. Pawan Shukla, Managing Director of Schott Glass India Pvt. Ltd., and Executive Committee Member AIGMF congratulated the winners and said *involving Youth in sustainable projects is extremely important to create a better living society.*

Top 50 entries will get a specially designed 80 years AIGMF Glass Mementoes. Winning and special mention entries can be viewed at www.aigmf.com ■



Executive Director, Glazing Society of India (GSI).

"It was inspiring to review the impressive quality and quantity of 'Glass Decorates' entries because the young applicants demonstrated a remarkable passion for glass. The annual AIGMF competitions enable vital education about the role of glass in society and I offer sincere congratulations to the winners and all those that took part this year.", said Mr. Dave Fordham, Member Editorial Board of KANCH (AIGMF's Glass journal), Former Publisher of Glass Worldwide magazine and Global Engagement Lead for Glass Futures (United Kingdom).

submitted by Mohd. Juned aged 22 years, a student of Bachelor of Arts, Jamia Millia Islamia, DELHI and Akshita Tejwani aged 16 years, 12th class student of Maharani Gayatri Devi Girls School, Jaipur RAJASTHAN; both are 1st prize winners of the Youth contest for 2023 and 2022 respectively.



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Youth and Glass Industry Members Honoured

(Sept 30, 2024 DELHI)

At the Annual General Meeting of The All India Glass Manufacturers' Federation, Youth and Industry Members were honoured at Pride Plaza Aerocity Hotel, DELHI on Sept 30, 2024.

The program provided an excellent opportunity for The All India Glass Manufacturers' Federation (AIGMF) to honour Youth of the country who participated from schools and colleges across India in its annual contest on 'Glass Decorates' or कांच से सजावट coinciding with the International Youth Day on August 12, 2024. Online entries were invited from the age group between 7-24 where hundreds of entries were received from educational institutes and youth across India.

Mr. Gurmeet Singh, Chairman, Federation of Safety Glass (FOSG) and Managing Director, Gurind India (P) Ltd.; Mr. G N Gohul Deepak, Executive Director, Glazing Society of India (GSI); Mr. Dave Fordham, Member Editorial Board of KANCH (AIGMF's Glass journal), Former Publisher of Glass Worldwide magazine and Global Engagement Lead for Glass Futures (United Kingdom); and Mr. Vinit Kapur, Secretary of The All India Glass Manufacturers' Federation were jury members who judged top 3 entries:

1st Prize (Rs. 25,000) was given to Aadita Kalra aged 12 years, 8th class student of Vikas Bharati Public School, DELHI

2nd Prize (Rs. 15,000) was given to Anushka aged 15 years, 10th class student of Bal Bharti School, Bahadurgarh HARYANA





3rd Prize (Rs. 10,000) were given each to:

- a) Khush Mann aged 12 years, 7th class student of The Mann School, DELHI
- b) Devang Dalvi aged 14 years, 10th class student of Reliance Foundation School, Lodhivali MAHARASHTRA
- c) Nvyanna Khanna aged 15 years, 11th class student of Adarsh Public School, NEW DELHI



Special mention was made by the Jury for excellent works submitted by Mohd. Juned aged 22 years, a student of Bachelor of Arts, Jamia Millia Islamia, DELHI and Akshita Tejwani aged 16 years, 12th class student of



Maharani Gayatri Devi Girls School, Jaipur RAJASTHAN; both are 1st prize winners of the Youth contest for 2023 and 2022 respectively. Winning entries can be viewed at www.aigmf.com



The prestigious annual 'CK Somany Award for Excellence' was given to Dr. Manoj Choudhary, Former President of the International Commission on Glass. The 'Balkrishna Gupta Award for Exports' was bestowed to M/s Schott Poonawalla Pvt. Ltd. The inaugural 'Lifetime Achievement Award' was bestowed to Mr. Prem Malhotra of Glacera Engineers.



Dr. Choudhary holds a long list of PROFESSIONAL ORGANIZATION



Dr. Pooja Malhotra, Principal of Adarsh Public School, DELHI felicitating Nvyanna Khanna at their school event for achieving 3rd Position in the 'Glass Decorates' contest



Mr. M K Bansal (left) of Shri Sitaram Glassworks Firozabad and Vice President AIGMF along with Mr. Deepak Gupta (right) of GM Glassworks Firozabad presenting the inaugural Lifetime Achievement Award to Mr. Prem Malhotra of Glacera Engineers (centre)



Mr. Bhadresh Patel (right), DGM Exports receiving Balkrishna Gupta Award for Exports 2024 on behalf of Schott Poonawalla Pvt. Ltd. from President Designate AIGMF Mr. Rajesh Khosla (left)



LEADERSHIP EXPERIENCE i.e. Chair, North America Steering Committee for the United Nations International Year of Glass; Member of the Steering Committee of the International Commission on Glass; President, the International Commission on Glass; Director, the American Ceramic Society; Chair, Glass and Optical Materials Division, American Ceramic Society; President (and one of the founders), Glass Manufacturing Industry Council; Trustee, Glass Manufacturing Industry Council; Program Chair, 18th International Congress on Glass, the International Commission on Glass; President of the Industry Liaison Board, NSF funded Industry-University Center



Dr. K Annapurna (right) of CGCRI receiving C K Somany Award for Excellence 2024 from the Former President AIGMF Mr. Sanjay Somany (left) on behalf of Dr. Manoj Choudhary which will be presented to Dr. Choudhary at the ICG 2025 meet in Jan at Kolkata

for Glass Research, Alfred University; Program Chair, Glass and Optical Materials Division, American Ceramic Society and a long list of awards in his lifetime including Dr. Atmaram Memorial Lecture from CGCRI, M. G. Bhagat Memorial Lecture from the Indian Ceramic Society and Prof. L. David Pye Lifetime Achievement Award from the American Ceramic Society.

Dr. Choudhary is a fellow of the American Ceramic Society and the Society of Glass Technology and an Academician of the World Academy



of Ceramics. His close and friendly association with India is certainly a boost for the Indian Glass Industry to benefit the most in forms of latest technology knowhow, expertise; and in the fields of research, innovation, etc.

M/s Schott Poonawalla Pvt. Ltd. has 3 state-of-the-art manufacturing units in Jambusar, Umarsadi and Baddi in India that produce an entire range of products including, bulk vials and ampoules, specialty vials and ampoules, siliconized vials and cartridges, and Ready-to-Use (RTU) vials and cartridges, and an entire range of glass pre- fillable syringes.

SCHOTT Poonawalla has successfully



Dr. Manoj Choudhary winner of the C K Somany Award for Excellence 2024

captured significant market share across international markets to expand the company’s reach; thus, managing to generate a robust revenue from their export business in FY 2023-24.

The jury for the awards comprised of Dr. K Annapurna, Chief Scientist, Glass Division, CSIR-Central Glass & Ceramic Research Institute (CSIR-CGCRI) and Member Editorial Board KANCH; Mr. Dave Fordham, Former Publisher, Glass Worldwide, London (UK); Member Editorial Board KANCH and Global Engagement Lead, Glass Futures, St. Helens



(UK); Mr. Amit Malhotra, President, Confederation of Construction Products and Services; Treasurer, uPVC Window & Door Manufacturers Association and Managing Director, McCoy Silicones Ltd.; and Mr. Pawan Shukla, Executive Committee Member AIGMF and Managing Director, Schott Glass India Pvt. Ltd.

"I am honored to be part of the Jury to select worthy contenders for the 7th AIGMF Glass Awards. I offer my felicitations to Dr. Manoj Choudhary for winning the prestigious CK Somany award for Excellence for his exceptional leadership and service to the global glass community. Further, I congratulate M/s Schott Poonawalla Ltd., for receiving the esteemed Balakrishna Gupta Award for its notable exports" said Dr. K. Annapurna, Chief Scientist, CSIR-Central Glass & Ceramic Research Institute, Kolkata.

"Awarding Dr. Manoj Choudhary with the CK Somany Award for Excellence further cements his legendary status in the global glass industry. Joining the high profile list of previous winners of this prestigious accolade is well

deserved recognition for his continuous contributions over the decades. Despite challenging global market conditions, SCHOTT Poonawalla's highly commendable export figures make them very worthy winners of this year's Balkrishna Gupta Award" said Mr. Dave Fordham, Global Engagement Lead, Glass Futures, St. Helens (UK).

"I am honored and most grateful. For me, it is a very special feeling to be recognized in and by my country of birth. I left India 50 years ago. This has been a physical separation. My heart has always remained in India. I am profoundly grateful" said Dr. Manoj K. Choudhary, recipient of CK Somany Award for Excellence.

"The inaugural Lifetime Achievement Award was given to Mr. Prem Malhotra for his dedicated 53 years of service to the Glass Industry not limited to India but to the worldwide clients. Mr. Malhotra who also acts as a special Correspondent for AIGMF's quarterly journal Kanch (Glass), has worked



Mr. Rajesh Khosla launching the Calendar Glass Bottle 2025 made out of recycled glass and specially made by AGI Greenpac for the AIGMF



for over hundred Indian glass projects across all glass segments. He has been instrumental in putting Indian glass technology on the world map with his innovative designs that has helped to lower the energy costs while also reducing capital expenses, hence improving the environmental friendliness of the Indian Glass Industry" said the Secretary AIGMF, Mr. Vinit Kapur.

The cash prizes for the Youth were sponsored by Schott Glass India Pvt. Ltd., producing Type I pharma tubing primarily meant for Glass Vials which were also supplied worldwide for packaging COVID vaccination. Mr. Pawan Shukla, Managing Director of Schott Glass India Pvt. Ltd., and Executive Committee Member AIGMF congratulated the winners and said *involving Youth in sustainable projects is extremely important to create a better living society.*

As a token of appreciation, Top 50 entries of the Glass Decorates contest will get a specially designed 2025 Calendar Glass Bottle made out of the recycled glass (specially manufactured by AGI Glaspac) ■



Select photos of the event and presentations are available at <https://aigmf.com/past-events.php>

glasstec 2024 on Course for Success

Course charted for the future of the glass industry through high exhibitor attendance, innovative technologies and high-calibre side events

From October 22-25, 2024 glasstec will again impressively confirm its position as the world-leading trade fair for the glass industry welcoming over 1,250 exhibitors from 52 countries to Düsseldorf Exhibition Centre. The trade fair presents the complete spectrum of glass production, glass processing and glass products across the value chain – from manufacturing to innovative applications and technologies. Exhibitors and visitors – also including experts and scientists – from throughout the world are expected to attend. Attractive side events focusing on digital technologies, circularity and decarbonisation round off the trade fair experience promoting knowledge exchange and networking at the highest level.

HIGHEST-LEVEL INDUSTRY EVENT

glasstec 2024 will welcome an impressive number of exhibitors from the fields of glass machinery construction, glass industry and glazier trade including all household names in this industry. The trade fair sets itself apart with high international attendance among exhibitors with Germany, China, Italy, Turkey, the USA, the UK, Belgium, the Netherlands and France being among the leading nations. This international flair underlines the great appeal and global relevance of glasstec. It provides a comprehensive overview of the sector, which is undergoing a transformation, and offers a host of impressive innovations.

A clear indicator of the sector's innovative power is the START-UP ZONE, which is again fully sold out



and will prove a major attraction this year. Here young, dynamic companies will be showcasing their creative solutions and forward-looking technologies – from innovative materials to state-of-the-art applications.

HIGHEST-LEVEL KNOWLEDGE TRANSFER

glasstec is the trend barometer and innovation forum of the industry. The varied ranges displayed by the exhibitors are complemented by a high-quality line-up of side events that address the industry's central issues.

The centre piece of these side events is the glasstec conference. On three stages symposia, expert talks and forums will provide deep dives into current and future challenges of the glass industry. Formats such as the glass trends sessions, the glass melting pot, Handwerk Live, the architecture forum, the bird protection forum and CircuClarity One allow attendees the opportunity for intensive exchange with leading experts and decision-makers. A comprehensive programme overview is available on the glasstec website at www.glasstec.de

FOCUS ON INNOVATION

The innovation show glass technology

live (gtl) at glasstec is considered the showcase for tomorrow's technologies presenting innovative glass structures from industry and science in cooperation in the technical universities of Darmstadt, Delft, Dresden and Bochum. It is a highlight for trade visitors, architects and all those interested in future applications of glass.

STRONG INTERNATIONAL INTEREST AND A "FULL HOUSE"

Glasstec is synonymous with progress and innovation. The strong and continued interest taken by both exhibitors and the world of international experts underscores the trade fair's pole position. Again a high number of visitors are expected from all over the world, who appreciate glasstec as an indispensable platform for knowledge transfer and initiating business deals. Here glass industry experts and decision-makers meet to jointly work on the solutions for tomorrow and actively shape the future of the glass industry.

For tickets and more information on glasstec 2024, the exhibitors' and product database as well as the high-calibre side events go to: www.glasstec-online.com ■

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