

GLASS News



As Published in **Kañch** Quarterly Journal of **The All India Glass Manufacturers' Federation**
Bi-lingual

GERRESHEIMER BOOSTS GLOBAL PRODUCTION CAPABILITIES WITH NEW STATE OF THE ART FACILITIES IN INDIA

Gerresheimer has significantly ramped up its glass production capacities in India. Its glass production received a new state-of-the-art and sustainable furnace technology.

By adding capacities in India, Gerresheimer intends to ensure consistent supply for critical pharma and healthcare facilities supporting increased packaging demand and public health. Gerresheimer already operates production facilities, including Triveni and Neutral Glass, which the company acquired in 2012.

made of moulded and tubular glass.

Gerresheimer has installed the latest Type I Borosilicate melting furnace for flint and amber glass production using cross-fired oxygen technology and an increased portion of electric heating to melt the new Barium free type I glass formulation. This new state of the art furnace is equipped with newest production machines also having most sensitive inspection equipment following the Gerresheimer moulded glass production standards. *“With this technology, we will substantially enhance our product quality and address additional market segments”*, said Mr. Stefan Rieder, Global Senior

registration with a Drug Master File as the standard. The production operations are carried out in sanitized rooms. Gerresheimer applies the rules of Good Manufacturing Practice (GMP) and is classified in accordance with ISO standards.

Gerresheimer is a leading global partner to the pharma and healthcare industry. With specialty products made of glass, the company contributes to health and well-being. Gerresheimer is represented worldwide and produces with around 10,000 employees wherever its customers and markets are. With plants in Europe, North and South America and Asia, Gerresheimer generates sales of around €1.4 billion.



The four highly specialized Indian plants belong to the Gerresheimer Group's worldwide production network. The plants are equipped with high technology manufacturing process for production of pharmaceutical primary packaging

Vice President Commercial Moulded Glass.

Gerresheimer ensures full conformity of its products and follows the European pharmacopoeia, the United States pharmacopoeia and meets YBB requirements for China and FDA

Its wide range of products includes pharmaceutical packaging and products for the simple and safe administration of medicines: Insulin pens, inhalers, micropumps, prefillable syringes, injection vials, ampoules, bottles and containers for liquid and solid medications with

closure and safety systems as well as packaging for the cosmetics industry.

EIUG WELCOMES DAVE DALTON AS CHAIR OF THE UMBRELLA ORGANISATION



With over 40 years of experience in the glass industry, Mr. Dave Dalton has taken over from Mr. Richard Leese of the Mineral Products Association and will be supported by British Glass Federation Manager Ms. Jenni Richards as co-chair during the two-year term.

The change in chair comes at a challenging time for energy intensive industries with unprecedented energy costs and a crucial six months that will determine whether some energy intensive companies can continue to manufacture in the UK or export production abroad. Many energy intensive sectors and subsectors have already relocated, but those products are still imported into the UK for use.

Mr. Dalton comments: *“Energy intensive industries like the glass sector need competitively priced, reliable and sustainable energy supplies in order to keep processes running. At present, this is simply not the case and the cost to our industries could be very high. Government needs to act quickly and decisively, and we are here as a group to hold them to account.”*

“Over the next two years as EIUG Chair, I hope we can work with Government to ensure a long-term energy strategy that will enable and incentivise energy

intensive sectors to decarbonise and remain internationally competitive so that we can continue to manufacture in the UK, contributing to UK GDP and supporting jobs and communities across the industrial heartlands.”

The Energy Intensive Users Group (EIUG) is an umbrella organisation that represents the interests of energy intensive industrial (EII) consumers. Its objective is to achieve fair and competitive energy prices for British industry.

The EIUG represents EII including manufacturers of steel, chemicals, fertilizers, paper, **glass**, cement, lime, ceramics, and industrial gases. EIUG members produce materials which are essential inputs to UK manufacturing supply chains, including materials that support climate solutions in the energy, transport, construction, agriculture, and household sectors. They add an annual contribution of £29bn GVA to the UK economy and support 210,000 jobs directly and 800,000 jobs indirectly around the country.

These foundation industries are both energy and trade intensive remaining located & continuing to invest in the UK and competing globally requires secure, internationally competitive energy supplies and freedom to export without tariff barriers. However, inward investment, growth and competitiveness have been hampered for years by UK energy costs higher than those of international competitors. In some cases, investment, economic activity & jobs have relocated abroad, leading to a subsequent increase in imports.

EIUG Contact: Director - Energy Intensive Users' Group director@eiug.org.uk

GLASS SAFEST PACKAGING FOR FOOD NEW RESEARCH SAYS

International research, published in the journal Critical Reviews in Food Science and Nutrition found that nearly 3000 chemicals can potentially leak from packaging into food, making human exposure to these chemicals highly probable. Most of these chemicals (65%) were unknown in that they have not been recorded in any regulatory or industry list to date. Of the almost 3000 chemicals detected that can potentially leak into food, more than two thirds were identified in plastics.

By contrast, glass & ceramic are by far the safest food contact materials, which is in line with the low chemical complexity of these materials.

“The study shows that glass is safest among the packaging materials as it has virtually no detected chemicals and therefore is the safest for human health,” says Ms. Adeline Farrelly, Secretary General of FEVE the EU federation of container glass producers.

The study states that 2881 Food Contact Chemicals (FCCs) have been detected, in a total of six Food Contact Material (FCMs) groups. More than two thirds of the FCCs (1975) were identified in Plastic FCMs, followed by paper & board (887), Other FCMs (760), and multi-materials (614). The fewest FCCs were detected in metal (251) and glass & ceramic (47).

“This research shows the potential risks linked to migration of chemical substances into the food chain and by consequence into the environment”, says Ms. Adeline Farrelly. *“There is a considerable knowledge gap to fill on food contact legislation. But also, Life Cycle Assessment methodologies on packaging must and should take into*



AIGMF delegation met Additional DGFT Mr. Anil Agarwal to discuss RoDTEP scheme and presented International Year of Glass calendar bottle at Udyog Bhawan, New Delhi on June 3.

The presentation provided the exclusive insights on what one can expect at glasstec, with its diverse supporting programme etc., for the main show slated to be held from Sept 20-23, 2022 at Dusseldorf in Germany.

The interactive session provided the opportunity for participants to know about arrangements made especially after the Covid, Schengen

account chemicals including hazardous chemicals used in food contact packaging materials that can potentially also leak into the environment”.

FEVE is the Federation of European manufacturers of glass containers. Its members produce over 20 million tonnes of glass per year. The association has some 60 corporate members belonging to approximately 20 independent groups. Manufacturing plants are located across 23 European States and include global blue chip and major companies working for the world’s biggest consumer brands. The Container Glass sector in Europe, makes a significant contribution to the EU Economy and supports essential sectors. More than 125,000 people work in the glass packaging value chain across Europe. It guarantees

resilient local supply chains, with a proximity of service to its suppliers and clients. Every year €610 million is invested in upgrading plants for better energy efficiency and reduced CO₂ emissions (a significant 10% of the operational and maintenance costs). The sector exports around €1.2 billion (empty bottles and jars) and if we take account of items almost always or often packed in glass, glass is an enabler of extra EU exports of around €250 billion (data 2019).

For more information, contact: Mr. Michael Delle Selve - E-MAIL m.delleselve@feve.org

GLASSTEC ONLINE PRESENTATION

An exclusive Digital Sneak Peak presentation for the upcoming glasstec 2022 was organised by Messe Dusseldorf and MDI on June 2 for the Indian audience.

visa, general queries, etc.

For more information, please email to messeduesseldorf@md-india.com

SAINT-GOBAIN PRODUCES ZERO-CARBON FLAT GLASS

Saint-Gobain mobilised a network of partners with the reuse of 100% cullet from end-of-life glass sourced from renovation or demolition sites and from production offcuts. The group’s industrial and research teams succeeded in adjusting all of the furnace’s technical parameters to this dual challenge of operating with 100% recycled material and 100% biogas, while ensuring the right optical quality of the glass.

Saint-Gobain said that the achievement is a clear demonstration of its commitment to reach carbon

Do you have news to share?

Send your news and press releases to info@aigmf.com



The All India Glass Manufacturers' Federation
Organizes

1st Poem / Essay Writing Contest

on

Green as 'Glass'

कविता / निबंध लेखन: काँच और पर्यावरण

Send Entries at info@aigmf.com

Last Date of Submission: 25th July 2022

(International entries are welcome)

GRAND PRIZE:

Stand a chance to win ₹25,000
and Publication in our Magazines

Salient Features of Glass:

- Transparent
- Sustainable
- Fully Inert
- 100% Recyclable
- Adds to overall Décor
- Enables Communication
- Eco-Friendly
- Protects from Viruses

Age Group: 7-24 Years



Top 250 entries get a specially
designed 2022 Calendar Glass Bottle
made out of recycled glass

1st Prize ₹25,000
2nd Prize ₹15,000
3rd Prize ₹10,000

Winners will be
announced on:

**INTERNATIONAL
YOUTH DAY**

12th August 2022

Best entries will be
published in:



and at: www.aigmf.com

SUPPORTED BY:



TERMS & CONDITIONS:

1. The entrant should be aged between 7-24 years
2. Only one entry per applicant either neatly hand-written or computer typed along with high resolution photo, if any, needs to be submitted with self-declaration about the ownership of the write-up
3. All entries need to be mailed at info@aigmf.com with any Photo ID issued by Govt. (as Address and Date of Birth proof) or Passport or School/College ID, along with email ID and contact number
4. AIGMF has the rights to use the submitted entry for its social media channels, events, newsletters, publications i.e. Kanch, Glass News and Glass Worldwide, reports, etc.
5. Any false information provided within the context of the contest by an entrant, concerning identity, address, telephone number, email address, ownership of write-up or non-compliance with these rules, will result in the immediate elimination of the entrant from this contest
6. The last date to submit the entries is 25th July 2022 (Date is subject to change)
7. There is no entry fee for this contest



neutrality by 2050. It complements the group's investment announced last year to build the world's first carbon-neutral plasterboard plant in Norway.

This feat was achieved by using 100% recycled glass (cullet) and 100% green energy, produced from biogas and decarbonised electricity. It was implemented for one week in Saint-Gobain's flat glass manufacturing plant in Aniche, Northern France.

COCA-COLA WIDENS ITS REACH, CUTS COSTS WITH GLASS BOTTLES

Beverage maker Coca-Cola India Pvt. Ltd is promoting returnable glass bottles once again, after years of focusing on disposable plastic bottles. The change helps the company reach out to more users, and reduce packaging costs, a top company executive said.

"In 2021, we could predict that inflation is going to be one of the major challenges in the coming year and glass bottle is the least impacted packaging in inflation. It also gives us an affordability play in large parts of India," said Mr. Sanket Ray, President for India and South-West Asia, Coca-Cola.

The bottles rolled out last year at a ₹10 price point (200 ml) in select states are available across the company's top-selling brands

such as Coca-Cola, Thums Up, and Sprite. In some markets, glass bottles now make up 30% of beverage sales. Overall, they account for a little less than 10% of the company's business.

Coca-Cola's move comes at a time when inflation is eating into household budgets, raising the prices of everything from soaps to fuel. As a result, shoppers are reaching out for more affordable packs or moving to cheaper brands.

The maker of Sprite and Coca-Cola carbonated beverages said it has lowered price points of such glass bottles from ₹12-14 to ₹10 in seven states in India to drive its affordability agenda.

"We have started expanding the distribution, inputting more glass, and also putting marketing behind it," Mr. Ray said. The company is seeing "really strong momentum" in sales of such bottles, largely led by demand

emerging from small towns and rural areas.

"Our expectation was that inflation will be between 3% and 5%—this has increased to some extent now. Inflation is going to be part of strategy; if we want to expand in India we have to focus on affordability as a solution. For that, we have to invest in glass bottles," he added.

India isn't the only market where Coca-Cola is trying glass bottles to counter inflation—a recent report by Reuters said Coca-Cola is expanding the distribution of its cheaper returnable glass bottles in several emerging markets.

ये है दुनिया का सबसे लम्बा कांच का पुल, 'White Dragon'

वियतनाम का बाख लांग पैदल यात्री पुल जिसका नाम "सफेद ड्रैगन" (White Dragon) है- ये 632 मीटर (2,073



फीट) लम्बा है और एक विशाल जंगल से 150 मीटर (492 फीट) ऊपर है।

पुल का फर्श फ्रेंच- निर्मित टेम्पर्ड ग्लास से बना है, जिससे यह एक बार में 450 लोगों तक का वजन सहने के लिए पर्याप्त मजबूत है। कांच के फर्श का मतलब यह भी है कि पर्यटक डरावनी सैर करते हुए अद्भुत दृश्यों का लुत्फ उठा सकते हैं।

पुल के संचालक के एक प्रतिनिधि होआंग मान ड्यू ने कहा 'पुल पर खड़े होने पर, यात्री प्रकृति की सुंदरता की प्रशंसा करने में सक्षम होंगे।

बाख लांग वियतनाम का तीसरा कांच का पुल है, स्थानीय बुई वान थाच ने कहा कि उन्हें उम्मीद है यह अधिक पर्यटकों को इस क्षेत्र में आने के लिए प्रोत्साहित करेगा।

कंपनी का कहना है कि यह दुनिया का सबसे लम्बा कांच के नीचे का पुल है, जो चीन के ग्वांगडोंग में 526 मीटर की संरचना को पार कर गया है। वियतनामी पर्यटन प्रमुख दो साल के कोविड शटडाउन के बाद पर्यटकों को वापस लुभाने की कोशिश कर रहे हैं, जो लगभग सभी विदेशी यात्रियों को बाहर रखते हैं।

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



Membership of the Federation

Members of the Federation are classified into two categories; manufacturers of primary glass articles are enrolled as **Ordinary Members** of the Federation and suppliers to the glass industry viz., suppliers of machinery, raw materials, consultants and others connected with the glass industry are enrolled as **Affiliate Members**.

Foreign Companies supplying machinery etc., to the glass industry are also enrolled as **Affiliate Members**.

Membership forms can be downloaded from www.aigmf.com/membership.php

Members of the Federation are enrolled on the recommendation of Zonal Associations viz.:

- Eastern India Glass Manufacturers' Association (EIGMA)
- Northern India Glass Manufacturers' Association (NIGMA)
- South India Glass Manufacturers' Association (SIGMA)
- Uttar Pradesh Glass Manufacturers' Syndicate (UPGMS)
- Western India Glass Manufacturers' Association (WIGMA)

ADMISSION FEE / ANNUAL SUBSCRIPTION

Ordinary Members:

- Admission fee ₹ 5,000/-
- Annual subscription: Single Unit: ₹ 30,000 + GST as applicable
- More than one Unit: ₹ 1,20,000 + GST as applicable
- Applicants for enrollment for a period of five years may pay a consolidated amount of ₹ 1,40,000 for a single Unit and ₹ 5,50,000 for more than one Unit + GST as applicable

Affiliate Members:

- Admission fee ₹ 5,000/-
- Annual subscription: ₹ 12,000 + GST as applicable
- Applicants for enrollment for a period of five years may pay a consolidated amount of ₹ 55,000 (including admission fee) + GST as applicable

Affiliate Members from countries other than India:

- Admission fee US \$ 200
- Annual subscription: US \$ 500 + GST as applicable
- Applicants for enrollment for a period of five years may pay a consolidated amount of US \$ 1,800 (including admission fee) + GST as applicable ■

5th AIGMF Glass Awards

Supported by:



In recognition of the tremendous contribution to Indian Glass Industry, The All India Glass Manufacturers' Federation (AIGMF) announces C K Somany Award for Innovation & Technology and Balkrishna Gupta Award for Exports.

C K Somany Award for Innovation and Technology will be given to an individual who has made significant contributions to the glass industry in the field or fields of manufacturing, product development, environmental factors, business performance/growth, research and development and/or science/technology.

Balkrishna Gupta Award for Exports will be given to an individual/firm by considering following factors: who have contributed towards identification or growth of new potential markets/volume of exports/reaching no. of countries or any other area showcasing valuable contribution in Glass Exports.

Winners

Year	CK Somany Award for Innovation and Technology	Balkrishna Gupta Award for Exports
2021	Mr. Udit Kapoor, Kapoor Glass India Pvt. Ltd.	M/s Borosil Renewables Ltd.
2020	Dr. Mukul Chandra Paul, CSIR-CGCRI	M/s La Opala RG Ltd.
2019	Mr. B L Kheruka, Gujarat Borosil Ltd. (Now, Borosil Ltd.)	M/s Firozabad Glass Shell Industries
2018	Mr. S K Jhunjhunwala, La Opala RG Ltd.	M/s Piramal Glass Pvt. Ltd. (Now, PGP Glass Pvt. Ltd.)

Referral applications can also be submitted by Regional Associations: U.P. Glass Manufacturers' Syndicate (UPGMS)- Firozabad; South India Glass Manufacturers' Association (SIGMA)- Hyderabad; Western India Glass Manufacturers' Association (WIGMA)-Mumbai; Northern India Glass Manufacturers' Association (NIGMA)-Bahadurgarh, Haryana and Eastern India Glass Manufacturers' Association (EIGMA)- Kolkata, who may give recommendation for giving an award to a likely individual.

AIGMF may consult Banaras Hindu University (BHU-Ceramic Glass Division), CGCRI (Central Glass and Ceramic Research Institute), CCPS (Confederation of Construction Products and Services) and FOSG (Federation of Safety Glass), for identifying suitable candidates for the award.

5th Awards in these categories would be given during the Annual General Meeting in Aug/Sept 2022.

The jury for the awards comprise of:

- Dr. K. Annapurna, Chief Scientist, Glass Division, CSIR-Central Glass & Ceramic Research Institute (CSIR-CGCRI)
- Mr. Dave Fordham, Publisher, Glass Worldwide, London (UK)
- Mr. Sanjay Somany, Former President AIGMF and CMD HNG Industries Ltd.
- Mr. P K Kheruka, Former President AIGMF and Chairman Borosil Ltd.
- Mr. Vinit Kapur, Secretary AIGMF

Applications are invited at info@aimf.com from within India from all those connected with the glass industry who may submit a brief write-up/CV in support of their candidature latest by July 25, 2022.

Note: The Glass Worldwide, Kanch and Glass News have the exclusive rights of announcing the winners; including winning interviews in print and on websites i.e. www.glassworldwide.co.uk / www.aimf.com that could be followed by other magazines and websites ■

July - September 2022 Issue

will carry detailed coverage of the AGM/Executive Committee meeting and related events at Delhi, Technical Articles, Glass News, other supported Events and more.

To book advertisement space, mail to info@aigmf.com by September 20.

Kanch is the leading choice for advertising in the glass and related industries. With several years of publishing experience, unrivalled coverage for the worldwide glass manufacturing community with up-to-date news, editorial and features, as well as exhibitions; KANCH is the best medium to communicate with stakeholders.

We understand your needs as an industry and are committed to assist you in making your advertising most profitable. This also popularises your brand and product portfolio by establishing contacts to suit your company's requirements.

Good quality advertisement material along with a Cheque of the requisite amount payable to 'The All India Glass Manufacturers' Federation' may be sent to Secretary AIGMF at the registered office of the Federation.

It would be ideal if you could send your advertisement in PDF high resolution format (with auto enabled e-mail ID/ website address, if any) helping readers to reach you directly

on a single click in KANCH's e-version / AIGMF website.

A complimentary copy of KANCH along with the invoice will be sent to all advertisers. Those wanting more than one copy are requested to send their request in advance.

For convenience, payment can also be remitted through wire transfer. Our bank details are as under:

Remittance from Abroad to:

Bank of Baroda, New York, SWIFT BIC: BARBUS33, FEDWIRE/ROUTING NUMBER: 026 005 322, giving full particulars of Beneficiary i.e.
 Account No. : 05860400000062
 Name : The All India Glass Manufacturers' Federation
 Bank : Bank of Baroda
 Branch : Parliament Street
 City : New Delhi, India
 Payment Instruction Message i.e. MT - 103 is to be sent to Bank of Baroda, IBB, New Delhi, SWIFT BIC - BARBINBBPAR

Remittance from India to:

(Deposit Cheque or make NEFT- online payment)
 Account No. : 0411156983
 Name : The All India Glass Manufacturers' Federation
 Bank : Kotak Mahindra Bank
 Branch : G-39, Connaught Circus New Delhi
 IFSC Code : KKBK 0000214

A copy of bank advice may please be sent at info@aigmf.com for reconciliation ■

Advertisement Tariff*	Indian Companies (₹)	Foreign Companies (US\$)
Ordinary Full page	8000	225
Extra Inside Cover Page	9000	250
Inside Cover Page	10000	275
Back Cover Page	20000	450
Extra Folded Cover (front) Page	20000	450
Bookmark Advt. (both sides)	10000	300
Bookmark Advt. (one side)	6000	150
Centerspread (two pages)	20000	450
Half Page	5000	150

Print area for Full Page Advertisement is 21.5 x 30.5 cm

Print area for Bookmark Advertisement (one side) is 8 x 16 cm

GST as applicable.



Quarterly Journal of Glass Industry, published and printed by Vinit Kapur on behalf of The All India Glass Manufacturers' Federation from 812, New Delhi House, 27 Barakhamba Road, New Delhi - 110001 and printed by New United Process, A-26, Ph-II, Naraina Industrial Area, New Delhi-110028

T: +91 11 2331 6507 E: info@aigmf.com

Member Editorial Board:

- K ANNAPURNA**
Senior Principal Scientist, Glass Division, CSIR-Central Glass & Ceramic Research Institute (CGCRI), Kolkata
- A K BANDYOPADHYAY**
Former Principal, Govt. College of Engineering & Ceramic Technology-GCECT, Kolkata
- VINAY KUMAR SINGH**
Prof. & HOD, Dept. of Ceramic, Indian Institute of Technology (Banaras Hindu University)
- K K SHARMA**
Advisor, Emerge Glass Pvt. Ltd., Kotputli, Rajasthan

Special Correspondent: PREM MALHOTRA - Glacera Engineers, Pune **Editor:** MOHAN LALVANI
 Complimentary copy for Members / Government Departments / NGO's and those connected with Glass Industry

Free online version at: www.aigmf.com/kanch.php

Charges for Print issue:

- Indian Companies: ₹ 125 per copy
Annual Subscription ₹ 450
- Foreign Companies: US\$ 25 per copy
Annual Subscription US\$ 80

