

# GLASS News

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

#### GLASS BULLETIN AWARDS 2017

Glass Bulletin, in association with Safex. Messe India Dusseldorf Pvt. Ltd., and Emerge Glass India Pvt. Ltd., organised 2<sup>nd</sup>Glass the Bulletin Awards on December 7, 2017 the MMRDA at Bandra grounds, Kurla complex, in Mumbai. The event was attended by patrons of the glass industry, including top

from abroad.

Members of the jury for the Glass Bulletin Awards 2017 included Mr.

NG Rau, National Head Sales &

That of the

patrons of the glass Mr. Alok Kumar Modi (Centre) Jt. MD, Gujarat Guardian Ltd. receiving award for services and contribution industry, including top to the Glass Industry from Mr. Thomas Schlitt' (Left) MD, Messe Dusseldorf India and Mr. Devinder Pundhir players, and delegates (Right) CEO, Gujarat Guardian Ltd.

Marketing of Gujarat Guardian Ltd.; Mr. Vivek Dubey, Director Marketing of Gold Plus Glass Industry Ltd.; Mr. KAS Menon, Senior Vice President

Shree Bala Ji Glass C.

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Mr. Shashi Kant, Adviser, CCPS; former Deputy Adviser, Planning Commission and Mr. Vasudevan Suresh former CMD HUDCO conferred Certificate of Appreciation for their outstanding efforts and incredible contribution for promotion of glass in holistic

(Sales and Marketing) of HNG Float Glass Ltd.; Mr. Gurmeet Singh, MD of Gurind India Pvt. Ltd.; Mr. Balaji Konidala, MD of Balaji Building Technologies Pvt. Ltd.; Mr. Subhash Jajoo, MD of Jajoo Architectural Glass Pvt. Ltd.; Mr. Deepak Gahlowt, Convener of Confederation of Construction Products and Services (CCPS) and Mr. Sudhir Arora, MD of Techno Trade Links.

Mr. Alok Kumar Modi, Joint Managing Director, Gujarat Guardian Ltd., was presented with the Award for his Contribution & Services to Glass Industry.

Lifetime Achievement Award was given to Mr. Mayuresh Jayantilal Shah, Managing Director, Gopal Glass Works Ltd.

Safety and Green Initiative Award was



given to Mr. Aditya Agarwal, Director, S A Glass.

Other Award categories included Best Innovation/Product (for Auxiliary Products), Best Glass Showroom, Best Glass Dealer, Young Entrepreneur, Best Young Emerging Company, technologies. For us, meeting and excelling in international standards is just a matter of fact but not the end goal. We want to raise the bar higher and set standards which others will follow," said Mr. Rishad Dadachanji, Director, Schott Kaisha.

vial from 5 different cameras has been achieved for the first time. The company is not only offering a standard inspection protocol with this system, but also various customization avenues, based on the evolving customer requirements.

#### **GOLD PLUS GLASS INDUSTRY LTD., ON EXPANSION SPREE**

Gold Plus proudly announces its furnace firing for the second Float Line on Dec 17, 2017.



With this line, Gold Plus will increase the capacity from 470 to 1170 TPD.

Gold Plus will now produce product range to cover all kinds of tinted and solar-reflective glasses along with the existing clear glass range. The production will commence from Jan 2018.

Innovations/Creativity and Best Glass Processor.

#### SCHOTT KAISHA ANNOUNCES PATH BREAKING INNOVATION IN PHARMA PACKAGING

Schott Kaisha has introduced state-of-the art technologies and path-breaking innovations in the pharmaceutical primary packaging space. With its advanced operational capabilities, Schott Kaisha manufacturers glass syringes and cartridges in India, and continues to be a prime supplier for drug producers. "With our commitment to establish India as a leading export hub, we are a perfect success story of India's 'Make in India' and Germany's 'Industry 4.0' for automation in manufacturing

Going into its second decade of joint venture operations in India next year, Schott Kaisha has announced the opening of a second production module at its manufacturing plant in Jambusar, Gujarat to keep up with the rising market demand. The expanded module will increase the existing production capacity by almost 50% and will be running in full capacity by the end of 2018, enabling Schott Kaisha to cross 3 billion containers produced per annum.

Besides expanding its industrial footprint, Schott Kaisha has continuously invested in research and development. With the recently launched new opto-electronic inspection systems for vials, a 100% cosmetic inspection of the entire

"We take pride in not just running our manufacturing plants as per the international standards, but also in becoming pioneers in introducing best practices in the Indian pharmaceutical packaging space. Our new offering is a classic example, being one of the most advanced cosmetic inspection systems as it covers 100% of the entire vial", Mr. Rishad shared.

Schott Kaisha has also introduced Schott's  $iQ^{TM}$  platform in India, providing a versatile portfolio of Ready to Use (RTU) pre-fillable syringes - syriQ®, vials - adaptiQ®, as well as cartridges - cartriQ $^{TM}$ . With the  $iQ^{TM}$  platform, these RTU containers are packed in a nest inside an industry-standard tub, permitting smooth integration into existing



syringe filling lines or new flexible filling lines. This not only enables a considerable reduction in the overall Time to Market, but also helps reducing investments by up to 40%, clean room space by up to 60%, and running costs by up to 40%.

"We are constantly increasing our capacity, to meet the ever growing and evolving client requirements. Drug manufacturers these days have to maintain the highest quality standards in their packaging, and hence, look to us for providing cutting-edge packaging solutions, which adhere to global standards," says Mr. Rishad.

# ASAHI INDIA GLASS ANNOUNCES COMMENCEMENT OF COMMERCIAL PRODUCTION AT THEIR TALOJA FLOAT GLASS PLANT

at the Company's Taloja plant.

Along with the Company's fifth auto glass plant in Gujarat, the AIS Taloja plant will further add to the scale and flexibility of AIS in providing seamless supplies to customers in the architectural and auto segments, which includes all leading automotive OEMS.

Very extensive and highly modernised new float glass plant equipped with the latest in glass manufacturing technology, the Taloja Plant will have the capability to produce high-quality value-added glass for both, the architectural and the automotive glass segments, with an installed capacity to manufacture 550 tonnes of glass per day.

Speaking about the plant, Mr. Sanjay Labroo, MD & CEO, Asahi India Glass (AIS) said, "The Taloja Plant added purposes like mirroring, hard-coating, soft-coating and high-level processing. Most importantly, it will have the capability to make the highest standards of automotive raw glass giving AIS 100% capability to make our own automotive glass."

Mr. Sanjay Ganjoo, COO, Architectural Glass, AlS, said, "This initiative will further strengthen our competitiveness in both the architectural and automotive glass value chain, helping consolidate AlS's position as India's leading integrated glass company."

The formal inauguration of the Taloja Plant was held on Nov 9, 2017 and was attended by Mr. Masahiro Takeda, Regional President – Asia Pacific, Building & Industrial Glass, Asahi Glass Co. (AGC); Mr. Sanjay Labroo, MD &



In a move aimed at further strengthening the position of Asahi India Glass (AIS) as India's leading value-added and integrated glass company, AIS commenced production

will not only increase our capacity by approx., 60% but it will have the ability to make the highest grades of glass for the architectural market directly, and for value-

CEO, Asahi India Glass Ltd. (AIS); Mr. Sanjay Ganjoo, COO, Architectural Glass, AIS, along with other senior management members.



#### REMEMBERING BALKRISHNA **GUPTA**

Former AIGMF President (1983-84) and Executive Committee Member, Mr. Balkrishna Gupta left for heavenly abode on Dec 22, 2017 at the age of 95 at Firozabad (UP).

Mr. Gupta was the Founder and Chairman of Advance Group of Glass Industries, Firozabad. He had more than 70 years of vast experience of running many glass manufacturing units in Firozabad (which is also known as Glass city of India)

Mr. Gupta served as Former President of The All India Glass Manufacturers' Federation (AIGMF) and was Former

President with Uttar Pradesh Glass Manufacturers' Syndicate (UPGMS) for many terms.

Mr. Gupta started his 1st glass business in partnership with Ganga Glass in 1946 for just 2 Anna's (12.5 paisa or 12/100 of an Indian rupee). He suffered loss in his maiden business but continued as he was self-motivated to excel. To achieve his ambitions, he borrowed Rs. 10,000 from his father in 1950s and since then he never looked back.

Today, Advance Group employs more 10,000 people directly or indirectly.

Advance Group is into manufacturing of Handicraft items, Thermos Flask, Industrial Lamps, Table ware, Bulb



Shell, Glass Bottles, etc.

The Group exports to nearly 15 countries in Europe, South America and Asia.

## श्री बालकृष्ण गुप्त- संक्षिप्त जीवनी

सेठ उमरावलाल जी पिता

कोटला (जनपद-फिरोजाबाद) उ.प्र. जन्म स्थान

जन्म तिथि 31 दिसम्बर, 1922 ई. निवास 105, हनुमान गंज, फिरोजाबाद

हिन्दी का श्रेष्ठ तथा अंग्रेजी का व्यवहारोपयोगी ज्ञान शिक्षा एडवान्स ग्रुप ऑफ ग्लास इण्डस्ट्रीज, फिरोजाबाद संस्थापक

अध्यक्ष अ.भा. ब्रज-साहित्य संगम, मथुरा (साहित्य एवं शिक्षा जगत) - ब्रज कला केन्द्र, आगरा

> - मानसरोवर साहित्य संगम, फिरोजाबाद - श्री आर. के. इण्टर कॉलेज, कोटला

- महात्मा गान्धी शिक्षण संस्थान पी.जी. कॉलेज, फिरोजाबाद

– 'उत्तर प्रदेश रत्न' (आ.ई. कॉन्फ्रेंस ऑफ इन्टेलेक्चुअल्स, उ.प्र.) उपलब्ध अलंकरण :

> - 'आर्य-भूषण' (गुरुकुल महाविद्यालय, ज्वालापुर, हरिद्वार) - 'साहित्य-सेवी' (हिन्दी साहित्य सम्मेलन, इलाहाबाद) - 'वाणी-भूषण' (अ.भा. ब्रज-साहित्य संगम, मथुरा) - 'भाषा भूषण' साहित्य मंडल श्रीनाथ द्वारा, (राज.)

योगदान - श्री आर. के. इण्टर कालेज, कोटला (संस्थापक) - श्री आर. के. गर्ल्स हाईस्कूल, कोटला (संस्थापक)

- यू.पी. ग्लास सिण्डीकेट, फिरोजाबाद

- ऑल इण्डिया ग्लास मैन्यूफैक्चर्स फैडरेशन, नई दिल्ली (औद्यीगिक जगत)

> - साइण्टिफिक ग्लास मैन्युफैक्चर्स एसोसिएशन, फिरोजाबाद - नेशनल चैम्बर ऑफ इण्डस्ट्रीज एण्ड कॉमर्स, यू.पी. आगरा

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- हिन्दी के सुधी कवि, निबन्धकार एवं यात्रा-वृतान्त लेखक।
- साहित्य-कला स्नेही, समाज सेवी, गान्धीवादी, खद्दरप्रेमी, हँसमुख, हाजिर जबाब, धीरे-गंभीर तथा आकर्षक व्यक्तित्व के धनी।

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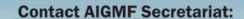
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#### NISHAL STARTS HIGH PURITY HYDROGEN GAS SUPPLIES TO ASAHI INDIA GLASS LTD.

Nishal, a leading industrial gas supplier in India recently commissioned a hydrogen plant capable of supplying high purity gas to Asahi India Glass Ltd., a leading manufacturer of float glass in the country. The facility, designed to ensure uninterrupted supply of the gas, started supplies in October 2017. The gas, utilised in the tin bath, is extremely vital element in the manufacturing of glass.

a leader in supplying hydrogen gas via cascade trolleys also offers integrated on-site hydrogen gas generation solutions through technology tie ups with leading technology providers for manufacturing hydrogen through reforming and electrolysis process. These plants are offered on BOO (Build-Own-Operate) basis to cater to customers need for reliable, low cost, ultra-high pure hydrogen gas. The company owns and operates these facilities as per the safety standards supplying high purity hydrogen gas through pipeline under long term gas supply contracts with the customers across various industries.



CII in association with Government of West Bengal, organised 'Green Industry Conclave' on Nov at Kolkata. The Conference focused on the opportunities and options for developing green industries in the



eastern region to combat climate challenges.

This conference was expected to stimulate a dialogue among the relevant stakeholders. The outcome of this dialogue in the form of recommendations pertaining to a Roadmap for Green Industry and Policy will be submitted to the concerned authority.

Mr. Arnab Roy, Principal Secretary, Department of Environment, Government of West Bengal joined as the Guest of Honour. Mr. Rene Van Berkel, UNIDO Representative, UNIDO Regional Office India was the Key Note Speaker the conclave. This initiative was supported by Tata Steel, ITC Ltd., Titagarh Wagons Ltd., G P Green, Gloster Ltd.. and **Speakers** Finesse. were from leading Industries and knowledge experts from institutes such as World Resource

Institute (WRI), Global Reporting Initiative (GRI), Tata Cleantech Capital etc.

Mr. Arindom Chakraborty, Member AlGMF and AGM, Corporate Strategy, Hindusthan National Glass & Industries Ltd., made a presentation on 'Glass Packaging – Minimising Environment Footprints'.

He elaborated on what is green packaging & how it can reduce environment footprints. Glass, being 100% recyclable, multiple times





reusable & made from all-natural resources has minimum effects on its surrounding environment. Thus, today it has created a circular economy in Europe whereby it contributes € 9.5 Billion p.a. to EU annual GDP. He also talked about AIGMF's LCA study on container glass in India & how glass emerged as the least polluting packaging material with enormous scope for further improvement. The presentation ended asking all relevant stakeholders - Govt., consumers, policy makers, local municipalities, FMCG companies & consumers to make concerted efforts to minimise environment footprints.

#### PEPSI INTRODUCES NON-**RETURNABLE GLASS BOTTLES IN INDIA**

In a bid to add healthier packaging options to their products, PepsiCo India has introduced glass bottles that need not be returned.

PepsiCo India has introduced nonreturnable glass bottles which have a 'twist-and-turn' cap, similar to the plastic bottles, for the zero-calorie carbonated Pepsi Black.

The company will initially introduce the bottles in metro cities and then sell them in other towns. The price of the product will not change even as the cost of packaging for nonreturnable glass bottles is higher than polyethylene terephthalate (PET) bottles, which are currently being

The new form of packaging will only be for Pepsi Black initially.

According to the report, Pepsi's foray into non-returnable glass bottle packaging is a first for any carbonated beverage maker.

Even though the bottle is nonreturnable, it can still be reused by consumers.

Raj Rishi Singh, Director (Marketing), PepsiCo India told, "Cola is best enjoyed chilled and from a glass bottle. Non-returnable glass bottles also make on-the-go consumption possible. And these bottles can be reused at home. This is an experience driven packaging disruption".

Pepsi is also selling the sparkling version of its water brand Himalayan in glass bottles. Himalayan is a joint venture between Tata Global Beverages and Pepsi.

Pepsi's main rival Coca Cola has non-returnable glass bottles in its United States and Maldives markets for different products, but has not introduced the technology in India

#### 25<sup>™</sup> GLASSTEC TO START **ALLOCATING STAND SPACES**

The anniversary edition of glasstec will be presented in a revamped format from October 23 - 26, 2018. In addition to a new look, the conference concept of glasstec will deliver even more added value for all visitor target groups. Featuring a number of highcalibre presentations, the "glasstec conference" in Hall 10 offers in-depth background knowledge about the exhibits of the special show "glass technology live" and thus further closes the gap between theory and practice. Kicking off the event on the morning before the trade fair will be the technology conference "function meets glass" (at CCD Ost/East). On Tuesday, the partners HVG-DGG and BV Glas will present the topics of glass production and markets. The thematic focus on Wednesday will be on new and future technologies, presented by the German Engineering Federation (VDMA). The increased dovetailing of theory and practice will again become clear on Thursday, in an architecture-focussed morning programme designed jointly by the North Rhine-Westphalian Chamber of Architects and the technicalscientific conference "engineered transparency". Until the End of glasstec, the glasstec conference will be all about science and research.

Stands in the exhibition halls will be allocated starting December 2, 2017. Registrations are of course still possible via the direct link at http:// www.glasstec.de/1330 But hurry the best spots are highly coveted and sell out quickly. Companies that have already participated in 2016 may use pre-filled, editable forms.

Representing the glazing trade, federal guild master Mr. Martin Gutmann will serve as the President of the 25th glasstec. In this role he'll succeed Dr. Frank Heinricht, President of the BV Glas and Chairman of the Management Board of SCHOTT AG. The Presidency alternates in two-year intervals between the Federal Association of the German Glazing Trade (BIV) and the Federal Association of the German Glass (BV Glas). The Industry organisations are conceptual sponsors of glasstec, together with the German Engineering Federation (VDMA).

The special show glass technology live in Hall II will for the first time be organised by a network of Universities. TU Darmstadt. TU Delft, TU Dresden and TU Dortmund will present the hub @ glasstec. Featuring a cross-sectoral range of topics, pioneering exhibits will illustrate the future of technology, production and glass application. Four glass cubes will showcase solutions from the segments:

- Interactive Façades/Display Glass
- **Energy and Performance**
- Structural Glass: Solid Glass/Thin Glass
- **New Technologies**



glasstec 2018 will take place at the Düsseldorf Exhibition Centre from October 23-26, 2018. Information about the trade fair is available online at <a href="https://www.glasstec.de">www.glasstec.de</a> and <a href="https://www.glasstec.de">www.glas

#### GLASS TINT LINK TO AIR-CONDITIONING BILL

A team of Indian engineers has identified a combination of reflective bronze-tinted glass and mud-brick walls as among the best options to reduce the air-conditioning loads for modern buildings with outer glass facades.

The engineers, from the National Institute of Technology in Surathkal and the Vellore Institute of Technology, examined through computer simulations how multiple combinations of various building materials and glasses respond to heat and sunlight on a set of 80 building designs.

They say their findings are intended to guide building designers on what materials to use to minimise the heat trapped within buildings with glass façades, particularly during summer.

Commercial buildings with glass facades have become popular, a trend some industry insiders attribute to the lighter weight of glass and the area saved: glass façades take about eight per cent less space than brick wall faces, according to a glass-making company.

"We find that dense concrete walls

and clear glass windows on the outer façade is the worst combination," said Mr. Shaikh Saboor, a senior assistant professor of thermal and energy engineering at the VIT, who led the study. "This combination is associated with the highest heat gain inside the building".

Mr. Saboor and his NIT colleagues Mr. G. Kiran Kumar and Mr. TP Ashok Babu measured how various combinations of four building materials (laterite stone, burnt bricks, dense concrete and mud bricks) and four kinds of glasses (clear glass, bronze glass, green glass and reflective bronze glass) influence heat gain inside buildings.

They simulated sunlight exposure conditions on their buildings in five cities- Ahmedabad, Bangalore, Chennai, Delhi and Guwahati - each representing a specific climate zone. They found that in every city, the combination of mud-brick walls with reflective bronze glass trapped less heat than dense concrete with clear glass.

The findings show that reflective bronze glass windows combined with mud-brick walls reduce the heat gain by an average six per cent compared with clear glass and mud-brick walls.

"These findings should encourage builders to look at the most environment-friendly options, particularly for commercial buildings. The less the heat trapped in a building,

the less the air-conditioning needed," Mr. Saboor said.

"The ideal glass façade should deliver ideal thermal comfort and ideal visual comfort," he added, saying that too much bright light inside was unnecessary.

Walls in a building serve primarily to partition it and are not the main load-bearing structures, the engineers explained. "The columns in the building are the main load-bearing structures. Mud-brick walls could easily meet the standard strength requirements for partitioning structures," Mr. Saboor said.

specialists However, in energy efficiency point out that the energy efficiency of a building is not determined only by walls and glass. "Even with concrete walls and clear glass windows, there are other ways to achieve efficiency," said a counselor with the Indian Green Buildings Council, a unit of the Confederation of Indian Industry. "The design, insulation gaps, lighting, and even seating of personnel in a commercial building can contribute to achieving lower energy consumption," the official said.

#### GLASS PACKAGING PROMOTES SAFETY AND SECURITY

Glass is by far the eco-friendliest material while packaging is concerned. Made from all natural and sustainable raw materials - silica sand, soda-ash,





lime stone and other trace elements. Glass is "Generally rated as safe (GRAS)" and is graded safe by the U.S. Food & Drug Administration.

Glass Container industry is undergoing tremendous innovative changes in order to be more sustainable and customer preferable. As such, light-weighting of glass bottles has become a focal point in the industry and as a result, glass bottles have become lighter by 50% compared to 3 years ago, says Mr. Arindom AGM, Chakraborty Corporate Strategy in Hindusthan National Glass & Industries Ltd.

In this era of rapidly growing pollution & diseases, role of packaging material to protect its contents has never been more important. At the same time, the packaging must not be reactive to the product, must not alter the taste or odour of the product and must be nontoxic. Not to mention, the material needs to be commercially viable so that it is suitable for high speed filling and meets applicable tamper resistance requirements. The packaging must provide complete protection from environmental, mechanical and biological perspective.

Glass not only meets the above criterion for the full protection, but actually it increases the value of its contents from aesthetic point of view as well. And, since its inception from first BC till date it is judged as the best because of the following:

- Best Barrier Protection It doesn't allow any Oxygen & Water vapor transmission
- Exceptional Preservation It is totally inert, doesn't interact or migrate any substance to the contents & provide longer shelf life to product
- Superlative Presentation-Excellent transparency

- & different moulded shapes give consumer real display value of product
- Unsurpassed Security Multiple choices of closures to guard & provides security against temper/ pilferage. Glass also prevents counterfeiting of product as it needs huge investment to manufacture glass containers & secondary markets can be cracked easily
- Best Convenience Adequately designed for single multiple serving with easy to open closures & there is no need to transfer the product for preservation after opening the

The Life Cycle Assessment (LCA) is a tool to measure, assess and orient improvements in the environmental performance and impact of a product from raw materials through to production, use, and end-of-life phases. AIGMF commissioned the study in 2011 to establish a clear understanding of the environmental impact of container glass at all stages of the life cycle. The study was conducted on Cradle - to - Cradle approach which is the ultimate test in assessing the environmental impact of a product because it ensures that all aspects of a product's life, end-of-life and reincarnation are accounted for. The LCA model was created using the GaBi 5 Software system for life cycle engineering, developed by erstwhile PE International AG. Some of the key findings of the study are as below:

- In India, only glass is being reused (30%)
- Very high landfill rate (80%) for other packing materials
- Significant open burning for other packaging materials, leading to environment pollution & health hazard

- Glass is by far the eco-friendliest material while packaging concerned
- Shelf-life of Food & Beverages with glass container is much more than other packaging mediums
- With only 20% weight reduction & 75% recycling, environmental footprints of glass can further be reduced by  $\sim 45\%$

According to a survey conducted by Newton Marketing research of SAINT GOBAIN VERELLIA in 2011:

- 73% Believe that glass keeps the highest quality of any container
- 78% Feel glass is best at maintaining that purity
- 75% Agree that glass keeps the truest taste and flavour of the product inside
- 77% Feel that glass is the healthiest way to preserve foods

"For consumers, the priorities of health and sustainability are clearly linked together, packaging has a growing role in their perception of both of these attributes. These are powerful synergies that speak to the 2017 consumer's holistic view of what is healthy." Ms. Linda Gilbert, Chief Executive Officer of Eco Focus.

Glass has been the preferred packaging choice for food and beverages since it was first introduced. It's no wonder the leading food, beverage, beer, wine and spirits brands continue to trust glass containers to preserve both their products and their brand image.

Consumers are becoming more aware of packaging and how it can affect the foods and beverages they consume. Not only do glass containers protect the flavour and purity of organics, but choosing glass demonstrates an elevated commitment to sustainability and the preservation of our natural resources.

In a recent survey conducted by Eco



Focus Worldwide in 2017 on wellness and sustainability trends impacting the food and beverage industry, 86% of grocery shoppers and 87% of Millennial believe some types of packaging can leave undesirable chemicals in beverages. They say cartons and glass containers are the least likely to do so, and that cartons and glass best protect freshness without preservatives.

In a survey conducted by Nielsen in India it was found that:

- Rural consumers seem to prefer glass more than urban consumers considering all aspects
- Glass is considered the best in true preservation of taste and retention of freshness
- 75% of respondents across all categories (urban and rural) are willing to pay premium for modified glass packaging

The Eco Focus survey also revealed that 73% try to buy products in packaging that is recyclable & 59% look for beverages in packaging that is made with renewable materials. This not only saves raw material & energy consumption but also reduces packaging waste considerably. Glass is 100% Recyclable and can be re-

used more than 40 times without compromising quality. While other packaging materials are mostly down cycled (not recycled) and goes for landfilling or incineration, used glass bottle comes back in the closed loop cycle. In Europe, it has created local businesses and jobs that are now helping to recover more than 70% of all post-consumer glass packaging in the EU and keeping valuable resources out of landfills. Only 40% glass is recycled in India due to lack of proper collection & segregation facilities and rest goes into landfill where it biodegrades with time unlike other non-biodegradable packaging materials.

According to study by ENVIS center on Municipal Solid Waste Management, sponsored by MoEF, total urban MSW (Municipal solid waste) generated in 2041 would be 230 million Tons per year (TPY) from 68 million TPY in 2011. Lack of public awareness, effective rules & institutional capacity in India call for use of recyclable, reusable and easily collectible packaging material in all spheres of life. And, only 15% of all Indian packaging initiatives include the use of recycled/renewable content,

far behind their global counterparts which account for 31%. Apart from recyclability & reusability, glass bottle also has minimal water footprint compared to other packaging materials.

#### SCHOTT GLASS WINS TOP AWARDS AT VENDOR MEET ORGANIZED BY BOROSIL KLASSPACK

Pharmaceutical glass manufacturer SCHOTT has received two significant accolades – "Being the most customer centric" and "Appreciation contribution as a business partner" at the first ever vendor meet event organized by Borosil Klasspack. The event, held in Nashik, Maharashtra, was to show appreciation for the vendors who have shown long term commitment with Borosil Klasspack. The company is an Indian manufacturer of primary packaging materials, like glass ampoules and vials for life saving drugs. The awards were presented by Mr. Pradeep Kheruka, Vice Chairman of Borosil Glass Works Ltd.

On receiving the awards, Mr. Sundeep Prabhu, Vice President Sales and Marketing, SCHOTT Glass India Pvt. Ltd. said, "We are honoured that our



SCHOTT Glass India receiving award at vendor meet event organized by Borosil Klasspack

Left to right: Mr. Santosh Jadhav - Senior Manager Sales & Marketing of SCHOTT Glass India, Mr. Sundeep Prabhu -Vice President Sales & Marketing of SCHOTT Glass India, Mr. Gangadhar Amin – Founder Chairman of Klasspack Pvt. Ltd. and Mr. Pradeep Kheruka - Vice Chairman of Borosil Glassworks Ltd., Director, Klasspack Pvt. Ltd. (subsidiary of Borosil Glassworks Ltd.)



commitment has been recognized by Borosil Klasspack, which is an integral client of SCHOTT. We are constantly working to improve our best practices in order to deliver unparalleled product excellence in the market."

To provide the Indian pharmaceutical industry with high quality

pharmaceutical tubing, SCHOTT has completely modernized the production technology of its 100% Indian subsidiary to SCHOTT's global standards. The company has introduced its most advanced inspection system, perfeXion™ in India, which has enhanced quality control of their FIOLAX® tubing from statistical quality control to 100% inspection - a milestone in SCHOTT's endeavour for zero defects.

Conferring the award, Mr. Prashant Amin, Managing Director of Borosil Klasspack, highlighted the importance of SCHOTT's contribution and said, "SCHOTT Glass has stood rock solid with Borosil Klasspack for more than



2 decades. A vendor plays a major role in the growth of any manufacturer, and we appreciate the enduring support SCHOTT has continuously provided us with. This award is a recognition of our long-standing relationship, and we hope to grow together further."

## LAUNCH OF GLASSPRO INDIA

Glasspro India 2018 was officially launched during a curtain raiser event in Delhi on Sept 4 and Nov 3, 2017 at Waterstones Hotel in Mumbai. Over 200 key players of industry attended the event in Delhi & Mumbai.

Glass Bulletin and Messe Dusseldorf India have joined hands to organize a world-class exhibition "glasspro India" 2018 which will be held from Sept 7-9, 2018 at Bombay Exhibition Centre, Mumbai.

AIGMF is one of the supporting associations.

glasspro India 2018 will be an annual event of international standards featuring top players of the global flat glass processing industry. The 2<sup>nd</sup> edition, spread over 6000 sqm is poised to bring over 200 exhibitors and more than 5000 visitors across verticals. To make this possible, Glass Bulletin and Messe Dusseldorf India will put their expertise to work out the best of their abilities



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T:+91 11 2331 6507 F:+91 11 2335 0357 E: info@aigmf.com

#### **Member Editorial Board:**

A K BANDYOPADHYAY

Former Principal, Govt. College of Engineering & Ceramic Technology-GCECT, Kolkata

DEVENDRA KUMAR

 ${\sf Prof.~\&~HOD,~Dept.~of~Ceramic,~Indian~Institute~of~Technology~(Banaras~Hindu~University)}$ 

K K SHARMA

President, NIGMA and Plant Head, HNG Neemrana, Rajasthan

Editor: MOHAN LALVANI

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