

GLASS News



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JOHN WALLIS REMEMBERED

Mr. John Wallis, Glass Worldwide's Editorial Consultant, passed away on April 11 at the age of 64.

Mr. Wallis had many friends within the Indian Glass industry and everyone was shocked to hear about his sad demise.



John Wallis, second from the right with Team Glass Worldwide at glasstec 2018

With a glass industry association dating back more than 40 years, Mr. Wallis worked as Deputy Editor, Editor, Managing Editor, Editorial Director and Business Sector Manager of Glass and Glass International and was instrumental in launching associated events before joining Glass Worldwide in 2010.

He also provided editorial and marketing services to several leading suppliers and glass industry bodies.

On behalf of the Glass Worldwide team, Mr. Dave Fordham commented: "John was a highly respected figure in the international glass community for many decades and will be sorely missed by his colleagues and friends throughout the world. Our sincere condolences are with his family at this very sad time".

"I was saddened to hear about the passing away of John Wallis. We met once or twice in 2 years. I had great respect for him. I consider it a personal loss. We knew each other for 3 or 4 decades. May his soul rest in peace." said Mr. Mohan Lalvani of Mascot Engineering Company.

"I knew John for many decades, he was humble and knowledgeable person. I just lost a good friend." said Mr. Sanjay Somany, CMD, HNGIL Ltd.

We are very sad to hear about the demise of

Mr. John Wallis, who will always be remembered as a dear friend of AIGMF, said Mr. Vinit Kapur, Secretary.

As a respect, brief silence was observed at the virtual AIGMF Executive Committee Meeting held on April 20.

AIGMF's DRAWING COMPETITION 3.0 WINNER, AWARDED THE RASHTRIYA BAL SHAKTI PURASKAR 2021

Tanuj Samaddar aged 16 years, 10th class student of SERS Public School (District Kamrup, ASSAM); winner of the AIGMF's drawing competition 3.0 on the theme 'Glass Protects' was awarded the Pradhan Mantri Rashtriya Bal Shakti Puraskar 2021 (National Child Award) under 18 years of age in the category of Arts and Culture this Republic Day.

Tanuj holds 18+ international awards and 46+ national level awards and more than 250 state and regional level awards in this field. From an early age of one and a half years, he started drawing and painting.

Prime Minister Narendra Modi tweeted "here is Tanuj Samaddar, a young artist from Assam whose works



have been exhibited in art galleries across the world and appreciated. Congratulations on winning the Rashtriya Bal Puraskar, Tanuj. May your art keep enriching our lives and may you attain more success.”

To commemorate International Youth Day, AIGMF invited online entries from children between 7-16 years to participate in the 'Drawing Competition 3.0', wherein over 3000 students participated from across India. On Sept 15, 2020, Chief Guest Prof. Alicia Durán (Research Professor CSIC-Spanish National Research Council) and President of the International Commission on Glass, Madrid, SPAIN unveiled a touring exhibition on 'Glass Protects'. Top 3 winners were given cash prizes. Later, select drawings were borrowed and released as a 2021 calendar. Winning entries and calendar are available at www.aigmf.com

BOROSIL RENEWABLES TO DOUBLE SOLAR GLASS CAPACITY INVESTING ₹ 500 CRORES

Borosil Renewables, the sole domestic manufacturer of solar panel glass, is doubling its capacity to 900 tonnes per day with an investment of ₹ 500 crores.

A part of the Borosil Group that is the market leader in laboratory glasses and other consumer glasses, currently has a 450-tonnes per day solar panel glass capacity at its Baruch plant, which is enough to power 2.5 GW of solar power plants.

With the brown field expansion at the Barauch plant in Gujarat, the capacity will jump to 900 tonnes per day or 5 GW of installable capacity of solar power plants.

“The new plant, at an investment of ₹500 crores, should be up and running by July 2022, and this is the second doubling of its capacity in the past five

years”, said Mr. Shreevar Kheruka, the Managing Director of Borosil Group.

Mr. Kheruka, who was recently enlisted into the World Economic Forum's young global leaders list for 2021, said the solar panel glass business was loss making for a long and it was only in the recent months it has turned around.

Borosil Renewables is in a unique position not only for being the sole domestic manufacturer of solar panel glasses but also its business is protected from an anti-dumping duty on its only competition-- imports and thus not having any price setting power. Since the anti-dumping duty was slapped its share price has soared around 500 per cent from its 52-week low in March 2020.

Borosil manufactures around 600 consumer and laboratory glass products at its Jaipur, Nashik, Pune and Tarapur plants.

In the solar panel glass business, which is globally controlled by China with around 90 per cent market share, Borosil meets 40 per cent of the domestic demand of 650 tonnes glasses per day, while the rest is imported from China and Malaysia.

Mr. Kheruka said the company exports almost 20 percent of its present solar panel glass capacity to Europe, with primary focus being Germany, Spain, Portugal Russia and Turkey, and also the US.

AGI GLASPAC INVESTS ₹ 55 CRORES IN SPECIALTY GLASS DIVISION

Manufacturer of integrated container glass, AGI glaspac announced its partnership with a Germany tech giant Horn Glass Industries AG to build a new furnace for the company's

Bhongir plant in Telangana.

The technology will cost ₹ 55 crores and it is a part of the recent ₹ 220 crores investment raised by AGI glaspac from its parent company HSIL Limited.

The facility will comprise end-fired furnaces with six forehearths for production. With the setting up of this new furnace, the company's Bhongir plant will be able to produce 154 tonnes of premium flint and other different colours.

Mr. Rajesh Khosla, President & CEO, AGI glaspac, said, “Our investment in German technology is aimed at strengthening our units to make products more efficiently out of India for global markets.”

This high-quality speciality glass produced will cater to industries such as carbonated water, sparkling wine, pharmaceuticals and beauty products, among others.

SUNRISE GLASS TO INSTALL 240 TPD CONTAINER FURNACE

Sunrise Glass Industries Pvt. Ltd., is adding a new furnace with an installed capacity of 240 TPD. The company currently operates two furnaces with a combined installed of 380 TPD.

Mr. Gaurav Thakkar, Executive Director, told: “Sunrise Glass is part of the Astron Group and at present we have two furnaces with a capacity of 210 MT/day and 170 /day”.

“We are coming up with a third furnace of 240 Mt/day capacity. We started our glass business in 2011 and with three furnaces in span of 10 years it makes us one of the fastest growing container glass manufacturers in the country. The furnace will have four lines with three AIS 10 triple gob (TG) Emhart Machines. All the lines will have EVM (Inspection

Machines) and along with this we have installed an automatic cullet sorting plant that has been imported from Austria. The container glass plant was expected to start in November 2020 but it got delayed due to Covid. We will commence the commercial operations by April 2021. We will be catering to the same customers and major focus will be liquor. We have started focusing on exports to the USA and Europe for food grade jars. Not from the new furnace but overall, we have started developing the food grade market for jars and bottles.”

He added: “The Indian glass industry was growing marginally since the last 3-4 years. But COVID has had a big impact on demand for liquor and due to that glass has impacted badly. We faced a 20-25% downfall in supply since the pre-covid scenario. “Yes, slowly but industry has started recovering from the Covid shock and as the tourism has started and people have started travelling, we are hoping that demand of glass will increase and it’ll reach to a pre-Covid level.”

Based in the city of Surat in the state of Gujarat, Sunrise Glass has a logistical advantage in serving domestic and international clients. Proximity to some of the best seaport in the country, has enabled the company to export a significant part of total output.

MESSE DÜSSELDORF CALLS OFF GLASSTEC IN JUNE 2021

The glasstec trade fair will not be held as planned due to the sustained pandemic and continued global lockdown measures as well as international travel restrictions. In close coordination with associations and partners Messe Düsseldorf has decided to cancel glasstec scheduled from 15 to 18 June 2021, which had already been postponed from 2020 to

INDUSTRY MEMBERS TAKING VACCINATION JABS.....



Mr. Prem Malhotra, Special Correspondent KANCH & Affiliate Member, Glacera Engineers, Pune



Mr. Ashok Dholakia of Gopal Glass Works Ltd., Ahmedabad

2021. The next glasstec will be held in line with its accustomed scheduling from 20 to 23 September 2022.

Commenting on this Mr. Erhard Wienkamp, Managing Director of Messe Düsseldorf, said that holding the event successfully on the planned dates in June could still not be guaranteed under the given circumstances: “As of March 3 the German Federal-State Conference has decided to further extend the nationwide lockdown. Based on this decision and due to the current level of infection rates and the associated international lockdown restrictions we cannot guarantee holding the event in the accustomed format and quality. Especially as a result of the travel restrictions, glasstec with its high percentage of international exhibitors and visitors would not be able to live up to its standing as the world’s leading trade fair for the glass industry. We have re-assessed the situation with our partners and jointly opted in favour of cancelling glasstec in June. The planning certainty of our exhibitors, visitors and service providers is our highest priority. All activities will now centre on the successful holding of glasstec 2022.”

“glasstec has been and still is the most relevant global event for the glass industry, machinery producers

and skilled crafts, and it brings together people from all over the world. A glasstec held in 2021 can, unfortunately, not fulfil this expectation. Business has already started to pick up for the glass sector and will make glasstec an international festival for the glass industry again next year,” says Mr. Egbert Wenninger, Chairman of the glasstec Advisory Board and Chairman of VDMA’s Glass Technology Forum.

For 2022 organisers are additionally working on a hybrid trade fair experience with a view to also allowing digital participation in conferences and Special Shows such as glass technology live. glasstec 2022 will open its registration portal for interested companies in June of this year. The glasstec team is available to answer any questions from all exhibitors, visitors and media. For current information revolving around the leading international trade fair for the glass industry go to www.glasstec-online.com

At the same time, Messe Düsseldorf partner Reed Exhibitions is also cancelling the leading European trade show for the promotional product industry PSI which was planned for May.

MAHARASHTRA GETS INDIA'S FIRST FLOATING LNG STORAGE AND REGASIFICATION UNIT

India's first Floating Storage and Regasification Unit (FSRU) has arrived at H-Energy's Jaigarh Terminal in Maharashtra. A statement from H-Energy said the FSRU Höegh Giant, which sailed from Keppel Shipyard, Singapore, was berthed at Jaigarh terminal in Maharashtra.

This will also be the first year-round Liquefied Natural Gas (LNG) terminal in Maharashtra, the statement added. The LNG terminal is located at JSW Jaigarh Port in the Ratnagiri district of Maharashtra, on the west coast of India. The port is the first deep water, 24x7 operational private port in Maharashtra.

"The 2017-built Höegh Giant has storage capacity of 170,000 cubic metres and installed regasification capacity of 750 million cubic feet per day (equivalent to about six million tonnes a year). H-Energy has chartered the FSRU for a 10-year period," the statement said.

"Höegh Giant will deliver regasified LNG to the 56-km long Jaigarh-Dabhol natural gas pipeline, connecting the LNG terminal to the national gas grid. The facility will also deliver LNG through truck loading facilities for onshore distribution, the facility is also capable to reload LNG onto small-scale LNG vessels for bunkering services," it added.

H-Energy said that it also intends to develop small-scale LNG market in the region, using the FSRU for storage and reloading LNG onto smaller vessels.

Commenting on the development, Mr. Darshan Hiranandani, CEO, H-Energy said "FSRU based LNG Terminals aim at providing the ability to enhance the pace of natural gas import capability in an environment friendly and efficient manner".

"With the berthing of the FSRU Höegh Giant, the LNG regasification terminal will be ready to start testing and commissioning activities soon, he said.

FIVE SGD PHARMA COLLEAGUES RECOGNIZED BY CHINA JIANYIN INVESTMENT LTD (JIC)



Traditionally, around the Chinese Lunar New Year, SGD's Shareholder, China Jianyin Investment Limited (JIC), conducts a group management meeting in Beijing to present operational and financial results for the year. The conference culminates with a lavish employee talent event and presentation of The Golden Ploughshare Awards, which are given to employees selected in recognition of their exceptional performance and commitment.

This year, due to Covid-19 pandemic, the conference was cancelled but JIC maintained the employees' recognition. For 2020, awardees were:

- Mr. Emmanuel Lepitre - Quality Manager, SQLM
- Mr. Mukul Kumar Sonthalia - Finance Director, India
- Ms. Najet Mebarki - Senior Product Manager
- Mr. Nishant Desai - Sales & Marketing Director, India
- Ms. Tracey Luo - Procurement Director, China

FURNACE FOR THE FUTURE PROJECT SELECTED FOR STAGE 2 OF THE EU INNOVATION FUND

The European Container Glass Industry project has been selected as one of the top 70 proposals rated as highly strategic to the achievement of the Paris Climate Agreement.

The Furnace for the Future (F4F) has been selected out of 311 projects to progress to the second phase of the EU Innovation Fund, one of the world's largest funding programmes for the demonstration of innovative, low-carbon technologies.

The F4F project is a breakthrough technology, which will enable the industry to switch to renewable electricity and cut CO₂ emissions by up to 60% in the furnace (50% for the whole factory). Container glass production currently uses a mix of roughly 80% gas and 20% electricity. By inverting this to have a mix of roughly 20% gas and 80% renewable electricity, the carbon footprint of glass packaging will be dramatically reduced.

"We are honoured to be among the 70 projects considered by the European Commission as strategic to a climate-neutral Circular Economy. This brings us great pride as we prepare to enter the second round of the application and make the F4F a reality as soon as possible" comments Mr. Michel Giannuzzi FEVE President. "The Furnace for the Future represents a key step towards a sustainable future for glass packaging. With this project we will address the priorities of our customers and strengthen our relationship with them", adds the FEVE President.

Electric melting already exists but is limited to small-scale furnaces for clear glass with limited recycled glass content. The F4F will make electric melting work in a large-scale, industrial hybrid oxy fuel furnace, running on 80% renewable electricity, for all glass colours, using high amounts of recycled glass.

The F4F project is technically and financially supported by 19 container glass companies who have signed a binding agreement and who, together, represent over 90% of production in Europe. Ardagh Group has been selected to build the furnace at their Obernkirchen site in Germany and will make the application as the beneficiary, strongly supported by the industry-wide consortium. Each of the industry partners will co-fund the project and in return will have access to the technology and know-how. Working as a sector has many advantages for the subsequent roll out and scalability of the technology.

“We are strongly committed to making our industry transition to a resource-efficient and low-carbon economy” concludes Ms. Adeline Farrelly, FEVE Secretary General. *“We welcome the support from public institutions and from our partners, which will help us make this transition real.”*

GSI-TERI SIGN MoU TO OPTIMISE RESOURCES, ADD THERMAL-VISUAL COMFORT IN BUILDINGS

The Energy and Resources Institute (TERI) and Glazing Society of India (GSI) signed a Memorandum of Understanding (MoU) on February 23 to augment the application and implementation of high-performance glazing systems (façade & fenestration) in buildings, through mainstreaming of reliable testing and performance assessment protocols. TERI and GSI share a common vision of promoting



sustainability in the built environment through efficient building design & optimal use of resources.

The MoU was signed between Mr. A. R. Unnikrishnan, Chairman, GSI and Mr. Sanjay Seth, Senior Director – Sustainable Habitat Programme, TERI in the presence of Dr. Ajay Mathur, Director General, TERI; Dr. Vibha Dhawan, Designate Interim Director General, TERI; Mr. Gopal Ganatra, Treasurer, GSI and Mr. G N Gohul Deepak, Executive Director, GSI.

The MoU envisions to promote applied research around glazing systems and their implementation in building envelopes. The partnership would also help produce a cadre of skilled professionals, specialized in glass façade & fenestration design and selection. Speaking on the occasion, Dr. Ajay Mathur said: *“The collaboration and enhanced cooperation between the two organizations will help improve resource & energy efficiency in buildings, ensuring thermal & visual comfort, while paving the path towards sustainable and carbon neutral infrastructure development.”*

“GSI has been working over the years on building standards, testing and certification eco-system in the country for Glass and glazing. The collaboration with TERI would take this journey to the next orbit in ensuring sustainable development in a growing economy like India”, said Mr. A R Unnikrishnan, Chairman, GSI on the occasion.

TERI is committed to provide expert technical assistance to GSI, to develop performance evaluation procedures for glazing materials and standardise benchmarking protocols. This would enable end-users to understand the energy saving potential by application of glazing systems, through informed decision making leading to value addition in building design.

SCHOTT REACHES COVID-19 MILESTONE: VIALS FOR 1 BILLION VACCINE DOSES DELIVERED

Global specialty glass leader and pharmaceutical packaging supplier SCHOTT has delivered vials to provide more than 1 billion doses of COVID-19 vaccines. SCHOTT remains well on track to deliver vials for more than 2 billion vaccine doses through 2021.

The vials were delivered to projects around the world, with a focus on the US, Europe, and Asia. Approximately 90 percent of approved vaccines rely on SCHOTT vials.

“The reaction of the pharmaceutical community to COVID-19 is a testament to the power of scientific progress,” said Dr. Frank Heinrich, CEO of Germany headquartered SCHOTT AG. *“In just under a year, all previous records for vaccine development have been shattered by not just one, but several research groups. The entire industry is successfully working together to ensure an adequate supply. We’re also*

working with our government partners to evaluate ways to improve the supply chain and expand production capacity.”

SCHOTT is one of the world’s leading producers of pharmaceutical containers made from borosilicate glass, the most proven and most widely available material used to store and deliver vaccines and other sensitive medications. SCHOTT’s global manufacturing footprint includes five sites dedicated to the manufacture of type-I borosilicate glass tubes and another 16 plants converting the tubes into vials.

SCHOTT’s plant in Jambusar, Gujarat is one of the five flagship pharmaceutical tubing production sites, responsible for catering to the vast demand in India and Asia. Owing to the soaring demand for quality glass packaging products, SCHOTT expanded its local tubing production capacity by 20,000 tons within one year. This translates into enough glass for over 3 billion vials. SCHOTT also has a 50-50 Joint venture in India by the name of SCHOTT-KAISHA, who is a market leader for manufacturing and supplying pharmaceutical packaging products in India.

“This past year, we have together witnessed the global pharmaceutical industry’s resilience and dedication to fight the novel Coronavirus,” said Mr. Pawan Kumar Shukla, President SCHOTT Glass India. *“We are proud to be a part in this fight from India, as a leading contributor of quality glass to ensure successful and safe administration of the Covid- 19 vaccines. Despite the challenges faced, our India plant has operated in full capacity within strict safety guidelines, while supporting our global clients and growing workforce.”*

The success of the COVID-19 response is supported by the company’s multi-year, \$1 billion global

investment in pharmaceutical glass and packaging facilities announced early 2019 in response to rising worldwide demand for safer drug packaging. Despite the pandemic, all expansion projects are on track.

SECOND WEBINAR ON INDIAN STANDARDS FOR GLASS AND GLAZING



Bureau of Indian Standards (BIS), Glazing Society of India (GSI), Indian Institute of Technology (IIT) Madras and CSIR – Central Glass and Ceramic Research Institute (CGCRI) successfully organised the second webinar on Indian Standards for Glass and Glazing on Feb 26.

Dr. Suman Kumari Mishra, Director CSIR-CGCRI delivered the Inaugural Address in the webinar and said that India should be self – sufficient in terms of standards, policies and testing capacities for all types of glass including the speciality glasses. She also invited the Industry to work with CSIR – CGCRI and GSI on the research, testing and standards for glass and its related products. Mr. J R Chowdhury, Deputy Director General, BIS, delivered the Keynote Address and emphasised the importance of Indian Standards

and its need for the country. Mr. A R Unnikrishnan, Chairman, GSI in his welcome address briefed the importance of having the knowledge and execution of the standards. He also said that India has the complete manufacturing capacities, technology and resources for the supply of all types of glass for India and all other

global countries. Dr. K Annapurna, Senior Principal Scientist, CSIR-CGCRI briefed the objective for the webinar. Mr. Ajay K Lal, Head, Chemical Department, BIS in his special address, updated on the various Indian Standards available for Glass and assured that BIS will come out

with Standards for all types of glasses in India. Mr. G N Gohul Deepak, Executive Director, GSI delivered the Vote of Thanks.

The Technical Session had 5 expert speakers including Dr. K Annapurna, Senior Principal Scientist, CSIR-CGCRI; Mr. Tariq Kachwala, Member, GSI; Mr. Mohit Garg, Member Secretary, CHD 10, BIS; Mr. Gyan Prakash, Scientist 'B', Central Marks Department -II, BIS; and Ms. Ankita Srivastav, Scientist 'C' ITS Department, BIS making presentation on various topics on Glass and Glazing.

The webinar was attended by participants comprising of Architects, Civil Engineers, Builders, Developers, Consultants, Contractors, Glass Processors, Manufacturers, Government Officials, Academia and Other professionals. There was

an interactive question and answer session between speakers and the attendees at the end of the session. The webinar was well appreciated by the participants.

FOUNDATION INDUSTRIES WORK TOWARDS INDUSTRIAL SYMBIOSIS

Bringing together partners from across the foundation industries, the EnviroAsh project aims to investigate waste ashes, slags and mineral by-products as a source of secondary raw materials.

The project team led by Glass Technology Services, consisting of partners from across the foundation industry supply chain and academia, hosted an interactive workshop to discuss opportunities for reusing waste materials, identify the barriers associated with secondary raw materials, and address factors implementing application.

The event was widely attended by the colleagues from across the six foundation industries (glass, ceramics, steel, paper, cement and chemicals) as well as representatives from academia, government agencies, and the energy sector.

Mr. Chris Holcroft, Principal Technologist at Glass Technology Services provided an insight into circular economy and industrial symbiosis, as well as progress on the EnviroAsh project:

“In a circular economy we are moving away from the linear manufacturing model of take, make and dispose towards a future where waste that can be recycled is injected back into the economy and manufactured as secondary raw materials.

“This process across multiple manufacturing industries, creates industrial symbiosis and is vital in reducing waste to landfill, as well as

reducing requirements for virgin raw materials, and in some cases energy.

“When there is increasing pressure on brands, retailers and the wider industry to become more sustainable, there’s no better time to look into solutions to expand circular economy and the availability of secondary raw materials through industrial symbiosis.”

The EnviroAsh project expands upon an established consortium who have investigated the use of biomass ash as a raw material for glass manufacturing. Bringing together partners from across the foundation industries, events such as this one is the perfect opportunity to gather and share expertise, best practice, and inspiration.

“The event was well represented by individuals from across the foundation industries, providing a stimulated and useful discussion around the use of secondary raw materials. Identified barriers included the quality and quantity of waste available, high costs for waste materials, and permit requirements around the processing of waste.

“The appetite for moving the project forward was very strong and it was recognised that finding a home for these waste materials will drive us forward on our journey towards a circular economy and industrial symbiosis.

“The project will go beyond the simple proof of principle that these materials work and will look to develop processes to deliver consistent quality materials in sufficient quantities and in a commercially viable way. This will help to develop the supply chain for these materials to encourage take up.

“It was fantastic to see so many industry representatives present and to facilitate an excellent discussion around waste products as raw materials. The consortium will be hosting another event in September 2021 to give an update on our progress.”

To be kept up to date with the EnviroAsh project, the next event or to get involved contact m.grattidge@glass-ts.com

Led by Glass Technology Services, EnviroAsh – Development of new waste-derived raw materials for the Foundation Industries, is funded as part of the Innovate UK ‘Transforming Foundation Industries: Fast Start Projects’ funding call. Other project partners include Sheffield Hallam University, The University of Sheffield, Power Minerals, Glass Futures, Encirc, Saica Paper, Drax Power, Hanson Cement and Wienerberger.

VERESCENCE ANNOUNCES ACQUISITION OF MAJORITY STAKE IN PACIFICGLAS

Verescence, a global leader in luxury glass packaging for the Perfumery and Cosmetics industries, announced the acquisition of a majority stake in Pacificglas, the Korean leader for glass packaging in Cosmetics industries and a long-term partnership with Amorepacific.

For over 120 years, Verescence has been a privileged partner to the biggest perfume and cosmetics brands due to its extensive know-how and expertise. Verescence produces 500 million bottles per year in its three glass production sites and its four decoration sites in Europe and North America. In 2019, the company employed 2,300 people worldwide and achieved sales revenue of 309 million EUR.

Mr. Thomas Riou, CEO of Verescence, said, “We are delighted with the acquisition of a majority stake in Pacificglas and the long-term partnership with Amorepacific. This is a major step in our Strategic Plan, Verescence 2022. Amorepacific will become a top customer of Verescence group and with Pacificglas, Verescence

will reinforce its leadership in high-end Perfumery & Cosmetic glass packaging. From this strong base Verescence plans to become a pan-Asian leader and will invest in technology and capacity to meet growing demand of high-end glass.”

AIS GLASS DESIGN OLYMPIAD GRAND FINALE HELD SUCCESSFULLY

Asahi India Glass Limited (AIS), India's leading automotive and building glass company, offering end-to-end solutions across the automotive and the architectural glass value chain has always believed in reshaping the architectural landscape.

AIS held the Grand Finale of the 2nd season of AIS Glass Design Olympiad on 30th January. This was a virtual event held on a live portal which was witnessed by students, principals & faculty members of architectural colleges, Architects and other people across India in large nos. The 2nd edition of 'AIS Glass Design Olympiad' (GDO), was aimed at 'Reimagine Housing' keeping in mind the Pradhan Mantri Jan Awas Yojana which is an initiative by Government of India in which affordable housing will be provided to the urban poor with a target of building 20 million affordable houses by 31 March 2022. The students were also asked to include pandemic driven changes in their designs, which was one of the important parameters on which their designs would be judged.

The 10 finalists presented their designs to a Jury Panel of 4 Architects – Ar. Vivek Bhole – Principal Architect at Neo Modern Architects Mumbai (Curator & Juror), Ar. Prashant Sutaria – Principal Architect at PSA Mumbai, Ar. C S Raghuram – Director at CRN Architects Chennai and Ar. Karl Wadia- Senior Associate at Hafeez

Contractor Architects Mumbai.

This event was graced by Ar. Habeeb Khan (President at Council of Architecture, India) as a Chief Guest and Mr. Sanjay Seth (Sr. Director at The Energy and Resources Institute (TERI) & CEO of GRIHA Council as the Special Guest.

The awardees were as follows:

- 1- Divyanshi Gupta & Chaitanya Joshi (team) – Bharati Vidyapeeth College of Architecture, Navi



Chaitanya Joshi Divyanshi Gupta

Mumbai

- 2- Sakshi Baheti, Ankita Dhanke & Gaurav Karkande (team)– Sir J J



Sakshi Baheti Ankita Dhanke Gaurav Karkande

School of Architecture, Mumbai

- 3- Prithvi V, Krithika Ravisankar & Hridhaya Subramaniam (team)–



Prithvi V Krithika Ravisankar Hridhaya Subramaniam

NIT, Tiruchirapalli

The winners received exciting cash prizes, certificates and trophies from AIS.

Speaking at the occasion Mr. Vikram Khanna, COO – Asahi India Glass Ltd said, “It’s been an honour and privilege for us to organize the AIS Glass Design Olympiad. I would like to take this opportunity to thank all the Jury members and students who made this event successful. I hope this event will

be a great learning experience for all the participants, and they become richer in knowledge, and take back with them good memories of the event.”

Ar. Vivek Bhole, Curator – GDO said, “It was great associating with AIS GDO as a Curator and Jury member again in its 2nd consecutive year. I thoroughly enjoyed this journey with AIS team and hope to be part of many more GDO events in future.”

Ar. Habeeb Khan, who was Chief Guest at the GDO Finale said, “I congratulate AIS for holding an event like for architectural students, where they are challenged to think beyond ordinary, helping them in bringing out the best of their skills on a national level platform and in front of industry leaders. This is a great platform for getting exposure.”

LAUNCH EVENT OF R SUBRAMANIAN (RS) FELLOWSHIP AWARDS

The R Subramanian (RS) Fellowship Awards, in memory of Late Founder Chairman GSI, Mr. R Subramanian was launched on March 6 via Video Conferencing in the presence of Mr. Alok Modi, Gujarat Guardian Limited; Mr. Sanjay Labroo, Asahi India Glass; Mr. B Santhanam, Saint Gobain India Pvt. Ltd.; Mr. A R Unnikrishnan, Chairman, Glazing Society of India; Mr. Gopal Ganatra, Treasurer, Glazing Society of India; Prof. Arul Jayachandran, IIT Madras; Dr. K Annapurna, CSIR-CGCRI; Prof. Rajan Rawal, CEPT University; Mr. Saurabh Kankar, Secretary, Glazing Society of India; Mr. Gohul Deepak, Executive Director, Glazing Society of India and other dignitaries from Industry, Academia and Government.

Mr. Alok Modi, Mr. Sanjay Labroo and Mr. B Santhanam made special addresses in the event and were reminiscing the contribution and



work of Mr. R Subramanian to the Indian Glass and Glazing Industry. Prof Arul Jayachandran, Dr. K Annapurna and Prof. Rajan Rawal shared their memories about RS in the event. Mr. Gopal Ganatra made a presentation on the RS Awards initiative. Mr. A R Unnikrishnan made the welcome remarks and Mr. G N Gohul Deepak delivered the vote of thanks. The R Subramanian Fellowship Awards Logo was unveiled by the Treasurer and Secretary of GSI on behalf of the entire Glass and Glazing Fraternity.

The main objective of the award is to encourage and build research and study on glass, profiles, façade, fenestration, and its associated materials in India. The research and study would be focussing on the quality and performance of materials and on the application and functional aspects of the same in buildings in India.

The R Subramanian Fellowship Awards is supported by the entire Glass and Glazing Industry, Indian Institute of Technology Madras (IITM), CSIR – Centre for Glass and Ceramic Research Institute (CGCRI) and CEPT University.

The Award will be initially rolled out for Students and Research Scholars in the areas of Architecture, Engineering and Technical Studies. The Award comprises of both monetary support (cash award) and technical support.

The RS Fellowship Award will provide an immense opportunity for the students / research scholars to work closely with the industry.

The RS Fellowship Award focuses on the following areas:

- Glazing Materials: Glass, Profiles, Glass Façade and Fenestration and Associated materials (sealants, interlayers, etc)
- Glazing Buildings
- Construction
- Functional Performance like Safety, Structural Integrity, Energy Efficiency, Fire Resistance and Sound Insulation

FISME OFFICIALS CALLS ONTO AIGMF

The Covid-19 pandemic and other geopolitical developments have highlighted the need to build domestic manufacturing and reduce our reliance on imports. Focusing on 'Atmanirbhar Bharat', (self-dependent India) the Federation of Indian Micro and Small & Medium Enterprises (FISME) initiated a program with Small Industries Development Bank of India (SIDBI) and Centre for WTO Studies (IIFT, New Delhi) for 'Creating a Roadmap for Substituting Chinese

Imports by Building Manufacturing Capability in 15 Identified MSME Clusters'.

Glass Chandeliers including other electric ceiling or wall lighting fittings is one set of the items chosen for the study and intervention as these are being imported from China. The study's overall objective is to identify what would it take to manufacture these items in India and out-compete Chinese imports. Following the study, SIDBI along with FSME, AIGMF and other institutions will endeavour to provide the financial, technical, Government Policies and marketing support needed by the cluster.

Mr. Anil Bhardwaj, Secretary General, FISME, Mr. D. Bandyopadhyay, Consultant, FISME, Mr. R P Singh, Director, FISME, Mr. Afaq Hussain, Director, Bureau of Research on Industry & Economic Fundamentals (BRIEF) and Ms. Supriya (BRIEF) met Mr. Mukesh Kumar Bansal, Treasurer AIGMF, who also happens to be a leading exporter of glass items from Firozabad to all over the world.

Discussions were held on how self-dependency could be achieved for manufacturing of chandeliers and other lighting fittings.

As a goodwill gesture, Mr. M K Bansal presented Swachh Bharat Abhiyan (clean India campaign) logo encrypted glass bottles (specially made by HNG & Industries Ltd.) made out of 100% recycled glass to the visiting guests ■

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



कांच निर्यातकों को अब तमाम सहूलियतें दिलाएगी सरकार

योगी सरकार सुहागनरी के कांच निर्यातकों को कई तरह की सहूलियतें मुहैया कराएगी। निर्यातकों को अब सार्क देशों को माल निर्यात करने पर अमेरिका व यूरोपीय देशों को किए जाने वाले एक्सपोर्ट समान पर सरकारी रियायतें निर्यातकों को मिल सकेंगी। जिससे ग्लास एक्सपोर्ट को बढ़ावा मिल सकेगा। वहीं निर्यातकों को कोरोना काल में होने वाले आर्थिक नुकसान की काफी हद तक भरपाई हो सकेगी।

फिरोजाबाद के भाजपा विधायक मनीष असीजा के साथ कोषाध्यक्ष, दि ऑल इंडिया ग्लास मैनुफैक्चरर्स फेडरेशन एवं ग्लास मैनुफैक्चरर एंड एक्सपोर्ट एसोसिएशन के चेयरमैन मुकेश बंसल (टोनी) ने 2 मार्च को लखनऊ पहुंच कर प्रमुख सचिव एमएसएमई एवं निर्यात प्रोत्साहन से मुलाकात की। इस दौरान उन्होंने प्रमुख सचिव नवनीत सहगल को सुहाग नगरी के ग्लास एक्सपोर्टों का दर्द बयां किया। निर्यातक इकाईयों की अनेक समस्याएँ बताईं।

मुकेश बंसल जी ने अवगत कराया कि कोरोना



प्रमुख सचिव लघु एवं निर्यात प्रोत्साहन नवनीत सहगल से लखनऊ में मुलाकात कर कांच निर्यात की समस्याओं को लेकर ज्ञापन सौंपते विधायक मनीष असीजा के साथ कोषाध्यक्ष, दि ऑल इंडिया ग्लास मैनुफैक्चरर्स फेडरेशन एवं ग्लास मैनुफैक्चरर एंड एक्सपोर्ट एसोसिएशन के चेयरमैन मुकेश बंसल टोनी।

काल में फिरोजाबाद ग्लास एक्सपोर्ट को अनेक समस्याओं का सामना करना पड़ रहा है। वैश्विक मंदी और माल के काफी आर्डर रद्द हो जाने से निर्यातकों को काफी अधिक नुकसान झेलना पड़ रहा है। वहीं दूसरी ओर सार्क देशों में जैसे नेपाल, भूटान, बांग्लादेश, पाकिस्तान व श्रीलंका में निर्यात करने पर

सरकार द्वारा कोई रियायत नहीं दी जा रही है। जैसे कि अमेरिका व अन्य यूरोपीय देशों में एक्सपोर्ट करने पर दी जाती है। जिस पर मुख्य सचिव सहगल ने सहमति जताई। उन्होंने मौके पर संयुक्त निदेशक निर्यात को फिरोजाबाद के ग्लास एक्सपोर्टों को उपयुक्त रियायतों दिलाए जाने के निर्देश दिए।

प्रमुख एक्सपोर्टर के पुत्र के विवाह में केंद्रीय मंत्री सहित कई हस्तियों ने की शिरकत



फिरोजाबाद नगर के प्रमुख ग्लास एक्सपोर्टर उद्यमी मुकेश बंसल टोनी के पुत्र श्रेय का विवाह समारोह 16 फरवरी को आगरा फतेहाबाद रोड स्थित केएनसीसी (कुंज महल कन्वेंशन सेंटर) में धूमधाम से सम्पन्न हुआ। विवाह समारोह में राजनीति, उद्योग,

मीडिया जगत से तमाम हस्तियों ने शिरकत की। प्रमुख रूप से भारत सरकार के जल एवं मानव संसाधन मंत्री रतन लाल कटारिया एवं पूर्व सांसद कांग्रेस के वरिष्ठ नेता सिने अभिनेता राज बब्बर ने विवाह समारोह में पहुंचकर वर-वधू को आशीर्वाद



विवाह समारोह में मुकेश बंसल टोनी के साथ मौजूद केंद्रीय मंत्री रतन लाल कटारिया एवं पूर्व सांसद एवं बॉलीवुड अभिनेता राज बब्बर

दिया। कई घंटे विवाह समारोह में रुककर वहां मौजूद लोगों से बातचीत की। वहीं फिरोजाबाद नगर विधायक मनीष असीजा, फिरोजाबाद शहर के प्रमुख उद्योगपति प्रदीप गुप्ता, राजकुमार मित्तल, युवा उद्यमी हेमंत अग्रवाल बल्लू, डॉ. मयंक भटनागर, हरवंश शर्मा, वरिष्ठ पत्रकार सौरभ उपाध्याय भी विवाह समारोह में शामिल थे।

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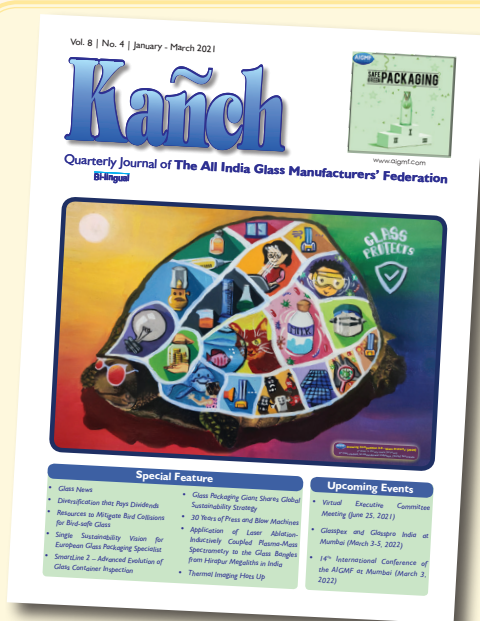
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