

FOSG

Annual Bulletin
Goa Conclave



2018

Executive

Members Year 2018-19



**Mr. Gurmeet S. Singh
Chairman**



**Mr. Aliasgar Rampurwala
Vice Chairman (West Zone)**



**Mr. P. Ganesh
Vice Chairman (South Zone)**



**Mr. Ajay Dhamija
Vice Chairman (North Zone)**



**Mr. Sarjit Singh Kang
General Secretary**



**Mr. Ali Kamil
Treasurer**

Executive

Members Year 2018-19



Mr. Sharanjit Singh
Executive member



Mr. Aditya Agarwal
Executive Member



Mr. Bhawesh Patel
Executive member



Mr. Palaniappan
Executive member



Ms. Himansee Jain
Executive member



Ms. Varsha Konidala
Executive member

Special Invitees



Mr. Chaitanya Madan



Mr. Lokesh Pathak



Mr. Prem Tuteja



Mr. Sadiq Kapadia



Ms. Sheetal Khanna



Mr. Subhash Jajoo



Mr. Suresh Shah



Mr. Utsav Gupta

ABOUT FOSG:

FOSG (Federation of Safety Glass) is an association of Safety / Specialty Glass Processors pan India. FOSG mission is to promote, develop, and support the Glass Processing industry in India.

FOSG GOALS & OBJECTIVES:

- To foster and promote co-operation amongst the members
- Develop a spirit of mutual help amongst each other
- Bring all the processing industry together under one umbrella
- Interact with Government and Allied bodies to understand and explain Industry view Point
- Technical /commercial support
- Facilitate and improve Industry standard
- Market Expansion
- Improve Knowledge & Skill

FOSG brings a collective platform for regular interactions amongst members, allied organizations and Government bodies for removing bottlenecks and bring a professional working atmosphere.

FOSG is dedicated to provide value to the entire glass processing industry with its constant initiatives which in turn hugely benefits all its members.

DIRECT BENEFITS

For the members

- Certificate of membership to each member.
- Use of FOSG logo in all of their proforma invoices/stationery etc.
- Listing of Company's name in FOSG website.
- Helps for the recovery of bad debt from customers.
- Access to Costing Calculator to understand product cost.
- Access to all related news, events, buy, sell excess inventory through Mobile App for efficient stock liquidation.
- Pool purchase.
- Updates with all government orders/circulars, FOSG and other related events.
- Helps in dispute resolution with customers/suppliers/other fellow members.

- Special discounted price for Participation in ZAK Exhibitions.
- Access to FOSG Lounge Facilities at ZAK Exhibitions.
- Special discount for testing/certification of processed glass at SGRT lab, IIT Chennai.
- Access to Annual Conclave for sharing knowledge & Information with members.
- Greater interaction/communication with fellow members.
- Techno Commercial support for getting BIS Certification. (New Government Regulation in process)
- Access to FOSG publication and its amendments (Current Publications: Quality Standards Manual, Architectural Glass Guide, Workman Training Manual & NBC 2016 Guidelines)



BENEFITS FOR THE

Entire Glass Processing Industry:

- Represent the industry's cause before the Government Authorities.
- Market expansion by improving awareness for the usage of safety glass.
- Skill improvement for fabricator, carpenter and allied team members through 'Kaanch Ki Paathshala.'
- Show Casing Glass Experience Zone in Zak Exhibition, displaying all different types of safety glass for market awareness.
- Conduct Educational Webinars through Glass Academy Platform for knowledge enhancement.
- Training the trainers program in processors individual factories through Glass Academy platform.
- Succeeded with support from other associations, float manufacturers and allied companies in forming Glass & Glazing knowledge Forum to work together for common cause for the implementation of National Building Codes.
- Supported the 1st NBC workshop conducted jointly by GSI, BIS and IIT, Madras in Mumbai in August 2018.
- 2nd NBC Workshop to be held in Delhi.
- Recognition of the glass processing industry by various bodies.

ACTIVITIES DONE IN THE YEAR 2018

- 15 Management Committee meetings were held during the year to take forward the tasks undertaken.
- FOSG initiated the formation of Glass & Glazing Knowledge forum with one representative from each Float manufacturer, related Associations including FOSG. Mr. Sharanjit Singh representing FOSG was appointed as convener.
- Eight Glass & Glazing Knowledge Forum meetings were conducted. Six leading Architectural Institutes were identified in six different cities Delhi, Mumbai, Bangalore, Chennai, Hyderabad and Kolkata for conducting NBC workshops. The workshop in each city will be held in association with the respective city municipal Corporation.
- A hand book on National Building Code 2016 has been developed for the 12 workshops in six selected cities.
- Three days live-in training program was conducted from 1st to 3rd February 2018 at IIT Madras wherein 44 professors from leading architectural colleges from different cities attended. The attendees were trained to conduct NBC workshops in their respective institutes in association with the city Municipal Corporations.

- FOSG was represented in all the four BIS meetings to get the IS 2553 codes revised, the same was finalized and finally approved from BIS in their final meeting in Kolkata held on 12th January 2018.
- FOSG submitted representation with the department of Industrial policy & promotion and succeeded in convincing them to bring processed glass along with float glass under QCO simultaneously.
- FOSG submitted a representation to the GST council for reduction of GST from 28% to 18%.
- FOSG & Zak signed an MOU as strategic partners for 7 years with a substantial financial advantage to FOSG. Zak provided space to build Glass Experience Zone and a fully furnished FOSG lounge during the Zak Glasstech Expo in Mumbai from 7th to 10th December 2017.
- FOSG filed representation with Department of Industrial Policy & Promotion to exclude glass of thickness 15mm, 19mm, 25mm and Low iron extra clear glass from the QCO as they are not manufactured in India.
- Mr. Sharanjit Singh, member FOSG as convener of BIS CHD10:4 (subcommittee for processed glass) represented all the BIS meetings to develop separate codes for Low iron extra clear glass used for solar applications to come under IS 2553 (part 3).
- FOSG submitted representation with Laghu Bharti Udyog and Swadeshi Jagran Manch opposing the Governments order for reducing the custom duty on imports of safety glass from China.

- Mr. Gurmeet S Singh, Chairman, FOSG attended the meeting at Department of Commerce under the chairmanship of Mr. Shyamal Misra, Joint Secretary, opposing the order of the Government for the reduction of duty on imports of safety glass from China.
- Delegation spear headed by FOSG met Mr. Hardeep Singh Puri, Hon'ble Minister of Housing & Urban Affairs, for speedy implementation of National Building Codes (NBC) 2016.
- FOSG appoints Mr. Yogesh KT, of Aleph India QMS, on its panel to guide members for getting BIS certification.
- Mr. Gurmeet S Singh, Chairman, FOSG attended the meeting on Strategic Alliance for WTO & Trade Remedies Low Practice held at Hotel Le Meridian, New Delhi on 19th November 2018. The occasion was graced by Mr. Suresh Prabhu, Hon'ble Minister of Commerce & Industry.



FOSG Annual General Meeting 2018

The Annual General Meeting 2018 of FOSG was conducted on 11th August 2018 in The Muse Sarovar Portico, New Delhi under the chairmanship of Mr. Gurmeet S Singh. The meeting agenda comprised of adopting of annual accounts FY 2017-18, appointing of auditors for the FY 2018-19 and fixing their remuneration, Electing members for the new management committee for the FY 2018-19. The new management committee elected is a combination of young and senior members. This combination will see FOSG progressing rapidly.



The following points were discussed and decided.

- The Accounts FY 2017-18 were adopted.
- Auditors for the FY 2018-19 appointed and remuneration fixed.
- New Management Committee for the FY 2018-19 elected.
- FOSG to appoint one technical person to help members for the BIS certification.
- FOSG to appoint one commercial person to carry out and help members for the pool purchases etc.
- FOSG to have its own office.
- Broad discussion on the venue for the 9th Annual Processors Conclave 2019.

FOSG GOA Conclave

(8th Annual Conclave Year 2018)

The Conclave was held at Bogmallo Beach Resort, Goa from 25th to 27th February 2018, under the chairmanship of Mr. Gurmeet S Singh. The event was anchored by two young dynamic members Mr. Ali Kamil and Ms. Varsha Konidala. The conclave was attended by around 190 participants.

Glass processing Industry is primarily a family business enterprise. Indian Global effort need to bring professionalism and improve management skill of the entrepreneurs. With this objective in view the conclave objective was skill and knowledge improvement by arranging Panel Discussions, Workshops and Professional Presentation by industry Professionals and consultants followed by Gala cocktail dinner on both nights. All these activities were highly appreciated by the participants.



Welcome Address by Mr. Gurmeet S. Singh, Chairman FOSG

Mr. Gurmeet S. Singh, in his speech welcomed members and thanked sponsors for their continuous support and cooperation for their participation in Annual Processor Conclave 2018-19.

He was overwhelmed with the record breaking attendance and emphasized on the maximum numbers of new processors joining as members during the year.

Through his presentation he briefed members of the various tasks under taken and accomplished and specially emphasized on several meetings done with BIS for the modification and setting of standards/Codes for safety glass, meeting with officials from Department of Industrial Policy & Promotion and convinced them to release Quality Control Order (QCO) for both Float glass & Safety

glass simultaneously. He also briefed members on the Formation of Glass & Glazing Knowledge Forum, wherein one member from each float manufacturer, glass and glass related associations such as FOSG, GSI, Glass Academy, UWDMA and IFF are working together for the implementation of National Building Codes (NBC) through conducting NBC Workshops.

He reiterated that FOSG has made considerable progress during the year, this is an endless journey and one must continuously keep improving and aspire to achieve more. He solicited continued participation, co-operation and support from all the members to accomplish the desired goals.

At the end he thanked all the sponsors and members for their support extended to make this event a success.



Panel Discussion No. 1

Topic: Future FOSG, Where and how do we want to see FOSG in 2023. Vision, challenges and opportunities, Steps needed to move in the chosen direction and likely hurdles.

Panelists

(1) Mr. Palaniappan (Mass Glass) (2) Mr. Suhel Kachwala (FG Glass) (3) Mr. Aliasgar (Sapphire Glass) (4) Mr. Balaji Konidala (Balaji Building Technologies) (5) Mr. Lokesh Pathak (Art N Glass) (6) Mr. Suresh Shah (Ridhi Sidhi Glasses) (7) Mr. Subhash Jajoo (Jajoo Architectural Glass)

Moderator Mr. Sharanjit Singh (GSC Glass Ltd)

Observations

All the panelists were of the opinion that FOSG is not a need but a necessity. Many members offered to participate more actively and contribute to the needs of the community. It was noted that the members were shy in coming forward it was explained that the number of processors are increasing day by day and to cater the varied needs everyone has a right to give his views which could be different but once a final view is taken one should forget individual views and collectively follow the democratic decision. It was also suggested that the young processors should now be encouraged to come forward and participate more actively.



Panel Discussion No. 2

Topic: New processors and one plant processors. Their concerns, aspirations and expectations from FOSG. How to increase their participation and involvement.

Panelists

(1) Mr. Adesh Dadawala (Alpha Safety Glass) (2) Mr. Ajay Dhamija (Prolific Glasses) (3) Mr. Sharad Gupta (S.G. Industries) (4) Ms. Surbhi Shah (Surbhi Tuff Glass) (5) Mr. Shailesh Shah (Jaipur Tuffen Glass) (6) Mr. Suriyanarayan (Royal Tough Glass) (7) Mr. Abdul Razzac (Lancet Glass)



Moderator Ms. Sheetal Khanna (Gold Plus Glass Industries)

Observations

It was noted that small or one plant processors are generally regional players and are shy of coming to FOSG. Some of them join but do not stay on or lose interest. The panel discussed the needs and the conclusion was that the organization structure of FOSG needs to be reviewed to cater to regional or cluster meets and the concept of cluster membership should also be explored.

Panel Discussion No. 3

Topic: Inventory sharing and pool purchase. Benefits, modalities, communications, information exchange and safeguards. What's App and associated problems. FOSG website and associated doubts or apprehensions.

Panelists

(1) Mr. Palaniappan (Mass Glass), (2) Mr. Sundaravel S (TPRS Enterprises) (3) Mr. Lokesh Pathak (Art N Glass), (4) Mr. Mohd. Ahmed (Structural Insulation & Glazing) (5) Mr. Farhat Kamil (Kaenat Glass Industries) (6) Mr. Suresh Shah (Ridhi Sidhi Glasses)



Moderator Mr. Sharanjit Singh (GSC Glass Ltd.)

Mr. Sharanjit Singh informed members that we have tried the benefits of sharing information through an excellent tool in the form of our website and mobile App. The inventory sharing wherein excess inventory with one fulfilled the need/requirement of the other was successfully tried and achieved great success. He emphasized that the benefit of the App would have been much more if the forum was used more frequently and with more members. Some pool purchases have also been successfully done with cost reduction. He requested all the members to start using the mobile App more frequently instead of the what's App group for needs or give always. All the panelists concluded that a new thrust should be made to popularize FOSG website and mobile App and requested those members who still not have downloaded the App to download the same and share E-mail ID with Mr. VinodTandon for registration.

Panel Discussion No. 4

Topic: QCO: Law of compulsory marking of BIS on Float and Processed glasses, impact on imports. What about items not made in India like extra clear and 19mm glasses, new opportunities and challenges.

Panelists

(i) Mr. Ali Asgar (Sapphire Glass), (ii) Mr. Suresh Shah (Ridhi Sidhi Glasses), (iii) Mr. Mohib Kamil (Kaenat Glass), (iv) Mr. Sarjit Singh Kang (J.K. International), (v) Mr. Sadiq Kapadia (Modern Safety Glass), (vi) Mr. Aditya Agarwal (Shree Ashtvinayak Glass), (vii) Mr. Sundaravel S. (TPRS Enterprises)

Moderator Mr. Gurmeet S. Singh (Gurind India (P) Ltd.)s

Observations

This was a very important discussion as the QCO on float and processed glass, was to change the way we carry out our businesses. In this panel of discussion the panelists discussed the pros and cons of the upcoming mandatory BIS law of marking and came to a conclusion that it would be beneficial for all processors as it would make them more quality conscious and could gain customer confidence/satisfaction on assured quality products.



Panel Discussion 5 & 6

Topic: Inter Industry relationship with suppliers and customers, as they are now and how to improve for the betterment of the entire value chain. Leftover sheets in small quantities, offcuts, waste recovery and disposal options.

Panelists

(i) Mr. Senthil Kumar (AIS Glass), (ii) Mr. Sandeep Kochhar (Kochhar Glass), (iii) Mr. Balaji Konidala (Balaji Building Technologies), (iv) Mr. Chaitanya Madan (Manchu Toughened Glass), (v) Mr. Sundaravel S (TPRS Enterprises), (vi) Mr. Kunal Gupta (Hindustan Glass Works), (vii) Mr. Ravi Shankar (Dow Corning), (viii) Ms. Himanshee Jain (Fuso Glass), (ix) Mr. Vishaw Sud (Eastman)



Moderator Mr. Tariq Kachwala and Mr. R.K. Chauhan.

Observations

As all the processors have float manufacturers as main suppliers and ideally should have a customer supplier relationship but some of the panelists were totally or almost fully aligned with some float makers and some were highly critical of some or all float makers while a vast number were neutral or silent. There were no problems noticed in relationship with customers. The panelists felt that there was a need to improve relation between float and processors and expected respect and consideration for which they suggested to have frequent communications with float manufacturers for improving the current deficit in relationship.

There was another problem addressed of shortage of small quantities of left over quantities towards the completion of a project. The issue was suggested to be resolved by float glass agreeing to make small quantity supplies and processors helping each other by inventory sharing system.

Panel Discussion No. 7

Topic: National Building Codes, RERA: impact on our market. Education and awareness initiatives for its effective implementation. Steps taken so far and what further needs to be done.

Panelists

(i) Mr. Senthil Kumar (AIS Glass), (ii) Mr. P. Ganesh (Glass & Glazing), (iii) Mr. Bikramjeet Singh Kang (J.K. International), (iv) Mr. Adesh Dadawala (Alpha Safety Glass), (v) Mr. Aditya Agarwal (Shree Ashtvinayak Glass), (vi) Mr. Bhavesh Patel (Swastik Glass Industries)

Moderator Mr. Sharanjit Singh (GSC Glass Ltd.)

Observations

Mr. Sharanjit Singh informed members that the NBC and RERA can give exponential growth to the processed glass consumption provided there are steps taken by the industry for education, awareness and enforcement. The panelists appreciated the steps taken by FOSG to create Glass & Glazing Knowledge Forum (GGKF) by bringing all the glass and glazing related associations and all float makers on one platform to plan and implement the education and awareness initiatives and to fund it adequately.

As a first step, a three days 'Train the Trainers' workshop on use of Glass & Glazing Systems in Indian Buildings as per National Building Codes 2016 was organized from 1st to 3rd February 2018 at IIT Madras, Chennai. The workshop was well attended by 44 professors and scientists from 16 prominent academic institutions in India including SPA, Delhi, Academy of Architecture, Mumbai, Sir JJ College of Architecture, Mumbai, Jadhavpur University, Kolkata, Anna University, Chennai, SAP, Chennai, MS Ramaiah Institute of Technology, Bangalore, CSIR-CGCRI, Kolkata, Manipal Institute of Technology, LS Raheja School of Architecture, Mumbai, Sidhaganga Institute of technology and Lal Bahdur Shastri Rashtriya Sanskrit Vidyapeeth.

Some of the trained professors from the above institutes will be the master trainers and conduct workshops for practicing Architects, Structural Engineers and Corporation Engineers for awareness and education.

All panelists appreciated the efforts taken by FOSG for spreading awareness for the implementation of NBC and suggested that teaching and making their own marketing staff aware was also necessary and FOSG will plan for the same in the near future.



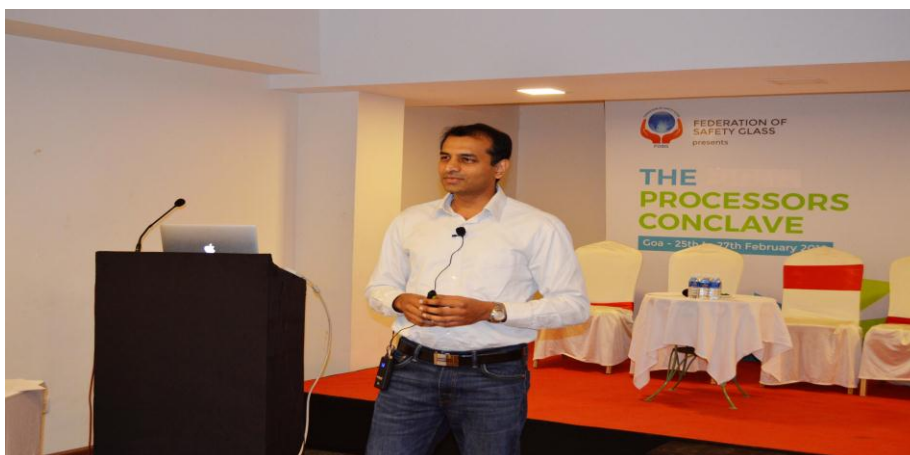
Software Solution And Complete ERP For Glass Processing

Mr. Vipul Chauhan, from Creatif Technologies gave a detailed presentation and briefed members through a demo of their software which would help every processor to work more systematically and comfortably.



How To Review, Reduce & Recover Prevalent Practices, Norms & Improvement For Future

Mr. Tariq Kachwala through a very informative presentation briefed members on manufacturing & post manufacturing costs & advised members how they need to get educated upon the manufacturing as well as post manufacturing costs such as packaging, unloading, documentation etc. which most of the processors may not be evaluating. He further recommended that processes should calculate their individual costs & try to review, reduce & recover.



Interaction With Mr. Dave Lee On Improvements, Problems & Defect Related Queries



Mr. Dave Lee, market development manager for advanced materials-Interlayers and Eastman Chemical Company. Mr. Dave Lee is a well known expert and trainer for all types of architectural glass processing. He in his presentation explained to all the members on glass processing methods, fine points, improvements, problems and defect related queries. A training workshop was conducted by him the next day where he gave ready solutions to any problems raised by members and answers to all processing

related questions. It was a very knowledgeable and informative session. His presentation was very much appreciated as it helped enhancing the knowledge.



Workshop On How To Make A Good Quality DGU

Mr. Lawrence Carbary a chemical engineer from Dow Corning with 36 years of experience and knowledge of chemical industry came specially from USA for the conclave to enhance our knowledge on how to make a good DGU using best industry practices and adopting appropriate quality measures. He was an expert on insulation, sealing & glazing materials, energy efficiency, durability, sustainability and performance of buildings and infrastructure.



GALA DINNER Glimpses

GOA CONCLAVE



Members & their Families enjoying the Gala Dinner

FOSG Part Of The Press Meet Of Laghu Udyog Bharti & Swadeshi Jagran Manch

FOSG represented by Mr. Gurmeet S Singh and Mr. Vinod Tandon was part of the press meet organized by the Laghu Udyog Bharti & Swadeshi Jagran Manch against the Governments change of definition for MSME's under the presidentship of Dr. Murli Manohar Joshi, member Lok Sabha and former cabinet minister and supported by Dr. Ashwini Mahajan, Swadeshi Jagran Manch and Mr. Jitendra Gupat, Laghu Udyog Bharti.



FOSG put forward their concern regarding the reduction of custom duty on imports of safety glass from China. FOSG strongly opposed the order and in its representation informed that there are over 200 Glass processors across India which mostly comes under micro & small sectors producing processed glass and providing employment to over 25,000 people. The duty has been reduced by 5% on toughened glass and 30% on insulated glass on imports from China while

there is anti dumping duty on imports of float glass which is our raw material and is made by large industrial giants. It also stated that the Governments move on reduction of duty was unfair, unjust, unrealistic and totally against the interest of the domestic MSME's and the principle of Make in India. This move from the Government will further bring down the capacity utilization and lead to units becoming sick and shutting down creating huge unemployment and bank defaults.

This unprecedented move from the Government at one side putting restriction on imports of raw materials and on the other hand the value added finished goods are given a duty concession on the same product from countries which are known for dumping of goods manufactured by Indian MSME's.

FOSG submitted representation to Laghu Udyog Bharti strongly opposing to the duty concession being given to the Chinese companies and with request to withdraw the duty concession to help domestic MSME's survive.



FOSG Website and Mobile App

FOSG developed a website and mobile application for members benefit and for creating awareness and growing the market. Its utility will be realised only if we all start using it along with some key persons in our organisations. Please get started to buy, sell, share ideas, recommend, complain and do lot more.

WEBSITE: If you are member, your name is already there. Just go to www.fosg.in and select [About FOSG] and then [FOSGIANS]. Check if your company name is there. You can go to [LOUNGE] and login with your email id registered with FOSG and your default password is {aa}. You can log in and change your password (but remember it). You can then [Personalise] your company to add other people in your company at two levels namely [Top Brass] and [Task force] and assign rights to these people on different sections of website for viewing, posting receiving mail notifications etc.

Website front page is public and anybody can access it. It has lots of educational content and downloadable documents and also has [AN ALL NEW GLASS SELECTOR].

[LOUNGE] is accessible only to members and their authorised team members.

Mobile App: While your staff should use the website on computer or laptops, you will find it very convenient to use the mobile app where all information and actions are on a fingertip. You have to start using it to see how useful it can be to our entire processing community and translate into real savings.

Following sections are available on entering the [LOUNGE] or the mobile app:

[FOSG NEWS]	For the latest happenings in the industry.
[PONIT OF VIEW]	For discussion on any topic and sharing your point of view on the same.
[YOUR COMPANY]	For forwarding and communicating FOSG matters and messages within your own company.
[GIVE AWAYS]	For selling of any excess materials that you may not need but other processor might be able to use it.
[NEEDS]	If you want to broadcast anything that you need and hope that somebody will sell the same to you.
[POOL PURCHASE]	For possibility of collective purchase of an item like PVB or spacers or desiccant or polishing wheels etc.
[LORDS]	List of regular defaulters for cautioning fellow processors while dealing with such Customers.
[RECOMENDATIONS]	If you like a product or a service you may recommend it other members here. You may also put negative recommendation for any bad experience with supplies, machines or services.
[CALENDER]	Lists all forthcoming events related to your industry.

Get Started: Please configure your company and post that extra glass to sell or ask what you need to buy from fellow processor or do a pool purchase. We can make this App a useful marketplace and get that much needed extra saving in today's competitive environment.



Glass Processors

Realize your full potential and power

Be an active member and gain from a host of new possibilities.

Involve your senior staff in using the website and mobile app for maximum benefit and using the power of information & knowledge for the betterment of your business.



Grow the market with new National building codes & Real estate regulation act



The new website designed for customized use by top brass and limited access to team members or staff from your company,

An all new glass selection tool.

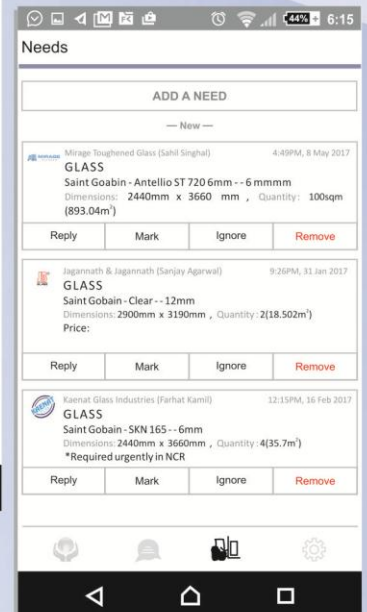
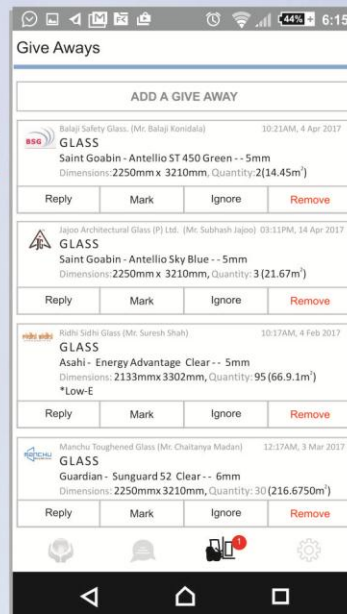
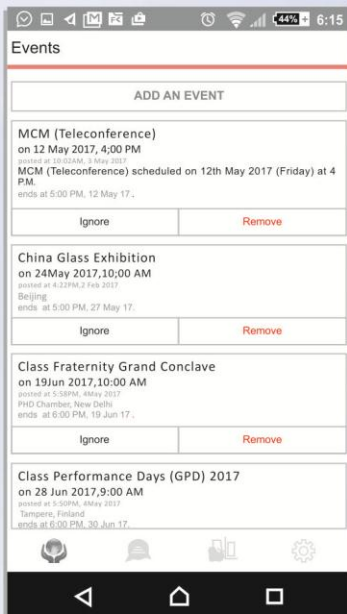
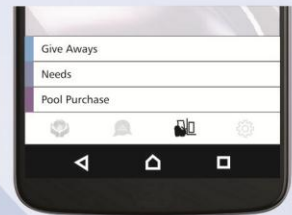
Know bad paymasters, good suppliers and bad suppliers

Enrol as member & get a set of 4 books worth Rs 1150/- free.

The all new FOSG Mobile App

Just a few clicks on your Mobile phone and you can:

- Sell extra inventory
- Buy something urgently
- Purchase collectively or pool
- Read news and forth coming events
- Recommend or complain about a supplier



1st NBC Workshop- Glass & Glazing Aspects

Glazing Society of India (GSI) jointly with BIS and IIT Madras organized the first NBC workshop-Glass & Glazing Aspects in Mumbai at L.S. Raheja School of Architecture on 3rd of August 2018. The Workshop was supported by Federation of Safety Glass, All India Glass Manufacturers Federation, Confederation of Construction Products & Services, International Fenestration Forum, Glass Academy, UPVC Windows and Doors Manufacturers Association and L. S. Raheja School of Architecture.

The objective of this workshop was to sensitize the entire construction value chain on the codes and provisions given in NBC 2016 on the use of glass and glazing systems in Indian Buildings and thereby enabling the implementation of the same.

Total 180 (Approx.) participants comprising of professionals like Architects, Builders, Consultants, Civil & Structural engineers, Government professionals, processors, manufacturers and other experts participated. The workshop had three technical sessions comprising of seven technical presentations. Speakers for each presentation were experts from BIS, IIT Madras, MIDC Industry and members of NBC panel.

The workshop covered the following sections in NBC 2016:

- New Section for Structural Glass and Glazing Systems in the Part 6 Structural Design as per Section 8 'Glass and Glazing' covering selection of materials, energy and light, fire and loading and safety to human impact and installation of glazing systems in buildings.
- New chapter Part 11 'Approach to Sustainability', which deals with different aspects of building planning, design including envelope optimization, material selection, construction, services, operation and maintenance having impact on sustainability.
- Fire and Life Safety related to glass and glazing aspect as per part 4 in NBC: 2016.

Mr. S. Arun Kumar, Scientist D, Civil engineering department, BIS gave presentation on the overview of NBC 2016.

Mr. R.N. Dandekar, Convener, panel for Glass & Glazing of NBC 2016 gave presentation on overview of Glass & Glazing codes in building construction.

Prof. S. Arul Jayachandran, member, panel for Glass & Glazing of NBC 2016 gave presentation on structural design and selection of Glazing system..

Mr. Amar Kool, member, panel for sustainability of NBC 2016 gave presentation on approach to sustainability including envelop optimization.

Mr. S.S. Warrick, member, panel for fire protection of NBC 2016 gave presentation on fire and life safety.

Mr. Antony John, member, panel for Glass & Glazing of NBC 2016 gave presentation on Glass façade system, criteria, fabrication, installation and testing.

Mr. Sharanjit Singh, member glass, Glassware and Laboratory wares technical committee of BIS. Gave presentation on Glass in buildings, quality requirements & human impact safety.

After the grand success of the 1st NBC workshop in Mumbai, Glass & Glazing Knowledge Forum in its 7th meeting held on 11th August 2018 has decided to conduct a bigger 2nd NBC workshop in Delhi in the month of October 2018.

Glimpses of NBC Workshop



Glass & Glazing Knowledge Forum

Training the Trainers program.

Three days live in training the trainers program held in IIT, Madras, Chennai from 1st to 3rd February 2018. The three days live in workshop was supported by Bureau of Indian Standards (BIS), Federation of Safety Glass (FOSG), All India Glass manufacturer Federation (AIGMF), Confederation of Construction Products & Services (CCPS), Glass Academy, International Fenestration Forum (IFF) and UPVC Windows and Door Manufacturers Association (UWDMA).

The workshop had theory sessions, case studies, demo sessions and plant visits covering all aspects of the use of Glass & Glazing Systems in buildings including Energy Efficiency, Safety, Structural Integrity and others as per NBC 2016.

The workshop was addressed by 15 eminent speakers from industry and Academia including Mr. Arun Kumar, Scientist E, BIS, Mr. Sharanjit Singh, Chairman, GSC Glass Ltd., Mr. Mahesh Arumugam, Director, Meinhardt Façade Technology, Ms. Deepa Sathiram, Director, EN3, Mr. Antony John, Technical Director, Schueco India, Ar. Deepak Gahlot, Director, Xebec Design, Mr. Ravishankar, Technical head, Dow Corning, Mr. N. Murali, head-Design and sustainability, Saint Gobain India, Ar. Adity Salway, Technical Expert, AIS, Mr. Sudhir Mohan, Technical Expert, Gujrat Guardian Ltd., Mr. Jothiramalingam, Director, Winwall Technology and others.



The event had three exclusive live demos by the Structural Glass Research and Testing (SGRT) Facility, Winwall Technology, Dow India, Schueco India and UWDMA. The participants visited three plants on the second day Saint Gobain India, FUSO Glass and Shobha Glazing and Metal Works.

The workshop was well attended by 44 faculty members from 16 Architectural and Engineering academic institutions including SPA Delhi, Sir JJ School of Architecture, SAP Chennai, IEST, Jadhavpur University, CSIR-CGCRI, Ramaiah Institute of Technology etc.

The workshop was conducted as a part of creating a group of trainers for training the construction professionals on National Building Code 2016 through a series of workshops at the respective academic institutions participated in the event.

All the participants were awarded a certificate of participation jointly from IIT, Madras and GSI.

Report of QCO on Transparent Float Glass IS 14900 & Safety Glass IS 2553

FOSG represented by Mr. Sharanjit Singh and Mr. Gurmeet S Singh was once again responsible to bring QCO on safety glass through several meetings with DIPP and one to one meeting with the Joint Secretary, DIPP. The Department of Industrial Policy & Promotion issued QCO (Quality Control Order) on transparent float Glass IS 14900. FOSG intervened and filed representation opposing the QCO and had many joint and one to one meeting with the department. The department expressed inability to withdraw the order to which FOSG after discussion convinced the department to also issue QCO on Safety Glass IS 2553 and not only issue but requested that both the QCO's on Float Glass & Safety Glass should be issued simultaneously which the department agreed. FOSG also appealed through representation to exclude glass of thickness 15mm, 19mm, 25mm and low iron extra clear glass for the QCO since they were not manufactured in India which was denied but alternatively suggested to get new separate codes made for low iron glass so that it could be treated as different from IS 14900 which is float glass. Both the QCO on Float Glass and Safety glass has now been cleared by the Government and QCO on float glass has already been uploaded in the WTO website and QCO on safety glass is all set to be uploaded in the WTO website. The separate code for the Low iron glass for Solar application is also clear from BIS and is under circulation for comments and will come under IS 2553 (part 3) . FOSG represented by Mr. Gurmeet S Singh, Mr. Sharanjit Singh and Mr. Vinod Tandon attended the last DIPP meeting held on 1st November 2018 under the chairmanship of Mr. Atul Chaturvedi, Addl. Secretary, for the finalization of QCO on Float glass, Transparent sheet glass and Safety glass wherein lot of pressure was put to implement QCO on Float and Transparent sheet glass and QCO on Safety glass can follow later. FOSG strongly opposed to it and finally it was assured that QCO on all three will be implemented simultaneously and will be enforced from 1st July 2019.

BIS CHD 10:4 (Subcommittee for Processed Glass) & CHD 10:6 (Subcommittee for Float Glass)

FOSG represented by Mr. Sharanjit Singh Convener BIS CHD 10:4 and Mr. Gurmeet S Singh attended all the BIS meetings held so far. After the clearance of IS 2553 (Part 1 & 2) BIS CHD10:4 (subcommittee for processed glass) met on 25th June 2018 to discuss and develop a separate code for Low Iron Glass for Solar application. After discussion and lot of deliberation and with the consent of all the standards were finalized and is now under circulation to members for comments. It was



decided there should be three parts of IS 2553 part 1 to cover Architectural Glass general applications, part 2 will cover Automotive glass and part 3 to cover glass for solar applications.

BIS CHD10:6 (subcommittee for float glass) met on 18th July 2018 to discuss and develop codes for Low iron float glass. BIS standards for extra clear float glass has been finalized and cleared by BIS CHD10:6 on the same day with consent of all the members present. Separate code for textured glass was also discussed and awaits data/comments from some members before finalization.

FOSG delegation meets Mr. Hardeep Singh Puri, Hon'ble Minister, Housing & Urban Affairs, for the Implementation of National Building Codes.

FOSG, besides filing of RTI's with all the municipal corporations regarding the implementation of National Building Codes 2016, moves a step ahead and succeeds in getting an appointment with Mr. Hardeep Singh Puri, Hon'ble Minister for Housing and Urban Affairs, on the way forward for the enforcement of National Building Codes 2016 nationwide in the interest of the consumer and the industry. A five member delegation comprising of Mr. Gurmeet S Singh, Mr. Sharanjit Singh, Mr. Vivek Dubey,



Mr. R. Subramanian and Mr. Vinit Kapur met the minister on 17th October 2018. FOSG submitted a written representation to the Minister with the following concerns.

1. Lack of awareness on the new inclusion of glass and glazing section in NBC 2016 amongst the municipal corporations.
2. Lack of understanding amongst the municipal corporations and their empanelled professionals on the various technological aspects on the use of safety glass in buildings.
3. The need to educate the empanelled architects / structural engineers / civil engineers.
4. The need to create the awareness and capabilities within the builders & developers community.
5. Monitoring and compliance mechanism for the use of safety glass in Indian Buildings.

Support requested from the Hon'ble Minister:s

1. Communicating to concerned officials of all states their concerned Ministers and Secretaries, asking them to direct their respective Municipal Corporations across their state, to ensure Section 8: Glass & Glazing in Part 6 of NBC 2016 is implemented with respect to the usage of safety glasses in buildings by including it in their check list for application for completion or occupancy.
2. Mandating that all bodies i.e. CPWD, AAI, PSU's, NBCC etc. which are directly linked to the Central Government follow the section 8: Glass & Glazing in part 6 of NBC 2016 on safety glass usage.

The Minister patiently heard our concerns and assured us of his support in having the Section: 8 Glass & Glazing in Part 6 of National Building Codes 2016 implemented.

The meeting was highly productive as the Minister issued orders for immediate action on the above.

Training Programme organized by FOSG on BIS certification and incorporation.

FOSG appointed Aleph India QMS on its panel to guide members for getting the BIS certification which is going to be mandatory for all processors from 1st July 2019. To apprise members on the process for getting the BIS certification a training program was organized for Delhi NCR region at Gold Plus office on 17th November 2018, wherein all the members/non members from Delhi NCR region were invited for the event. The training programme was attended by almost all the processor members/non members from Delhi NCR. Mr. Subhash Tyagi, Chairman of Gold Plus Glass Industry Ltd., gave an insight of Glass Industry and its future. Mr. Gurmeet S Singh, Chairman, FOSG gave an insight on FOSG and its upcoming activities. Aleph India represented by Mr. Gurdeep Cheema and Mr. Raghvendra Singh, through presentation briefed members on the process and documentation required for the procurement of the BIS certification.



Besides the above the following presentations were also made for the knowledge enhancement of the members.

- Presentation on procedure for taking BIS certification by Mr. Prem Dutt.
- Presentation on Terms & Conditions of business to print on quotations and invoices with their importance and implications by Mr. Pranit Singh.
- Presentation on Spontaneous breakage in glass by Mr. Samarth Tuteja.
- Presentation on calculating production and post manufacturing costs by Mr. Pranit Singh.
- Presentation on FOSG role in the recovery of bad debt and successful case studies by Mr. Vinod Tandon.

Overall the training programme was a great success and members were of the opinion that FOSG should organize more such training programmes on regular basis for knowledge enhancement.

Vice Chairman, FOSG, North Zone, Mr. Ajay Dhamija, concluded the training programme with special thanks to Gold Plus and Ms. Sheetal Khanna for her co-operation, hospitality and excellent arrangements.

NEW MEMBERS

FOSG recorded the maximum numbers of new processors 29 joining FOSG as new members in the year 2017-18 in comparison to any of the past years. The following companies joined as new members:

1. Abhishek Glass Industries, Kolkata.
2. Ambashakti Glass India (P) Ltd., Uttarakhand.
3. Apple Safety Glass, Bangalore.
4. Al-Rehmat Glass, Bhiwadi.
5. Bhoomi Tough Glass, Bangalore.
6. B.L. Tuff Glass, Vijayawada.
7. Duratuff Glass India, Delhi.
8. Galaxy Glass, Chennai.
9. Gaap Tuff Glass, Visakhapatnam.
10. Hi-Tech Glass Industries, Kerala.
11. Hyderabad Safety Glass, Hyderabad.
12. Infinity Glass Industries, Palwal.
13. Jaipur Toughen Glass, Jaipur.
14. Jas Glassix, Bangalore.
15. J.K. Toughened Glass, Jalandhar.
16. KMC Glasses (P) Ltd., Bangalore
17. Krishna Tuff Glass, Ahmedabad.
18. Masss Glass India (P.) Ltd. Coimbatore.
19. Modern Safety Glass, Hyderabad.
20. Om Glass & Ply Ind., Visakhapatnam
21. Pitrukrupa Kaanch Ghar Ind., HYD.
22. Rameshwaram Strong Glass, BLR.
23. Raj Glass Ind., Bangalore.
24. Rubine Glass (P) Ltd., Tamil Nadu
25. Sinewy Toughen Glass, Bangalore
26. Strong Glass Tough, Coimbatore
27. Swastik Glass Ind., Surat
28. Vijayaa Toughened Glass, Trichy
29. Wadhwa Glass Work, Chattisgarh

FOSG 9th Annual Processors Conclave

(Year 2019 -20)

The Hyatt Regency a 5 Star property in the city of sacred Golden Temple, Amritsar, Punjab, has been finalized for the 9th FOSG Annual Processors Conclave which will be held from 1st to 3rd March 2019.



Membership Enrollment

FOSG membership is open to Glass Processing Industry on all India basis. We invite the new member's active participation to support this mission and to avail FOSG benefits for their industry.

Membership Fee has been reduced drastically to encourage new members.

All new members to fill up the Membership Form and submit scan copy of the application form to the below e-mail ID and the hard copy of the same through courier in the below given address.

Communication Address:

M/s Federation of Safety Glass
802, Arjun Nagar, Ground Floor,
BhishmaPitamahMarg,
KotlaMubarakpur,
New Delhi-110003

Contact Person:
(For North, West & East Zone).
Mr. Vinod Tandon (Secretary)
Phone +91-9810176936
E mail: vinod.tandon@fosg.in
Website: www.fosg.in

Contact Person:
(For South Zone)
Mr. Venkata Krishna Murthy H.A.
Phone +91-9880956831
E mail: coordinatorsouth@fosg.in
Website: www.fosg.in

Membership Fee

Entrance Fee: Rs. 5000/- (onetime payment)

Quarterly Fee:

S.N	Quarterly Fee	Membership Criteria
1	Rs 20,000	Processors with More than 1 plant (factory) in same or different locations. Or Processors with more than 4 plants Pan India
2	Rs 10,000	Processors with 3 to 4 plants in any combination.
3	Rs 5000	Processors with 1 to 2 plants

Note:

1. Quarterly fees for the first quarter of the new member is exempted regardless of category.
2. Every tempering, DGU, Lamination plant is considered as one plant.



TOGETHER WE CAN DO IT

Sponsors of the 9th FOSG Annual Conclave 2018 at Goa



**“ALONE WE CAN DO SO LITTLE,
TOGETHER WE CAN DO SO MUCH”**



**802, Arjun Nagar, Ground (Middle) Bhishma Pitamah Marg,
Kotla Mubarakpur, New Delhi - 110003**