

## CCPS and IBC organized Training Program on 'Use of Glass & Glazing Systems in Buildings' again, in New Delhi

Confederation of Construction Products and Services (CCPS) and Indian Buildings Congress (IBC) organized two days training program on "Use of Glass & Glazing Systems in Buildings" for officers of Government Departments & professionals on 23rd and 24th September 2014 at IBC, HQ, New Delhi



**Mr. Amit Malhotra**, President, CCPS and MD, McCoy Group of Companies delivering Inaugural address



**Mr. D.S. Sachdev**, Former DG, CPWD & Director (ITPC) addressing the participants. **Mr. Deepak Chugh**, Director, LGF Sysmac (left) and **Mr. Shashi Kant**, Adviser, CCPS (right) sitting adjoining

There is a spectacular rise in use of glass in buildings in the country. As per an estimate domestic float glass sale of 886 MT/day in 2000-01 has been increased to 4006 MT/day in 2014-15 (April-June). Glass has changed its image from fragility to the status of multi-purpose building material and become a symbol of modernity. In the present scenario, options for glazing in buildings are enormous such as curtain walling, structure glazing, bolt glazing or spider glazing, fin supported glazing, cable glazing, suspended glazing etc. Without technical information and know-how on manufacturing, quality, strength, availability, design requirements & precautions, and about products like hardware, sealants, and glazing system, it is not possible to undertake projects using glass, confidently and efficiently by

the engineers, architects, specifiers and professionals.

Confederation of Construction Products and Services (CCPS) - a not for profit organization is dedicated to sustainable growth of building sector. As its mandate and thrust areas, CCPS has been active in the field of development of Standards and also engaged in undertaking skill up-gradation programs and imparting training to the professionals in various fields. It was decided to organize two days Training Program on "Use of Glass & Glazing Systems in Buildings" for the officers of Government Departments & professionals on 23rd and 24th September 2014 in collaboration with Indian Buildings Congress at New Delhi.

The program was attended by 41 participants and dignitaries from Central PWD, Military Engineering

Services, Delhi Development Authority, PWD Delhi Govt., Delhi Tourism and Transport Development Corporation, RITES Ltd., Engineering Projects (I) Ltd., Saint Gobain Glass Ltd., Ozone Overseas Ltd., Dow Corning India Pvt. Ltd., McCoy Soudal, Green Façade Solutions Pvt. Ltd., LGF Sysmac India Pvt. Ltd., Wellwood India, Silicone Concepts Intl. (P) Ltd., WFM Magazine, IBC and CCPS.

Mr. D. S. Sachdev, Director, Institute for Training of Building Professionals (ITPC-IBC) and former DG, CPWD welcomed the participants and said that due to constant requests from various quarters, we have organized this training program second time. Similar program was organized on 11th and 12th August 2011 at the same premises by IBC and CCPS. Now a days, Glazing became



Participants attending Training Program

a favored feature in building construction, hence professionals must be aware of latest innovations, practices, precaution, provisions and requirements in this field.

Mr. Amit Malhotra, President, CCPS and MD, McCoy Group of Companies inaugurated the training program and said that in India, during last few years significant fascination for use of glass in building construction has been seen. The sky lines of Indian metros are now spotted with high-rise buildings, clad in glimmering glass. He gave a presentation, highlighting the introduction and initiation of construction of multiplexes with glass façade in various parts of the country.

The program proved to be very successful and participants were exposed to the various types of glass and manufacturing process, properties, requirements and necessary precautions which are to be observed while fabricating and using glass. Selection of appropriate and right type of glass from human/fire safety point of view, day light, reduction in heat gain/loss, acoustical performance, strength, energy generation, factors affecting Solar Heat Gain Coefficient (SHGC), different types of hardware/sealants available, façade design parameters, necessity for testing, advantages and benefits of glass were elaborately highlighted by experts from the industry.



**Mohd. Hasham**, Manager, Ozone Overseas Pvt. Ltd. speaking on Architectural Hardware



**Mr. Shashi Kant**, Adviser, CCPS speaking on human safety while using glass in buildings

**Mr. S. Ravishankar**, Manager (Tech.), Dow Corning India Pvt. Ltd delivering lecture on Role of Silicone Sealants



Following eleven topics were covered during two days:

1. Overview - Types of Glass & Manufacturing Process by Mr. Sourabh Kankar, RSM, Gujarat Guardian Ltd.
2. Use of Glass for Energy Efficiency and Thermal Comfort in Buildings by Mr. Sourabh Kankar, GGL
3. Selection of Glass subjected to Wind and Seismic loading by Mr. Sourabh Kankar, GGL
4. Human Safety aspects in use of Glass and responsibility of Professionals by Mr. Shashi Kant, Adviser, CCPS and former Dy. Adviser, Planning Commission
5. Fire Safety and NBC 2005 by Mr. Hatinder Vohra, Sales Manager-India, Saint Gobain Glass India Ltd SGGI
6. Glazing Systems and Testing by Mr. Rai Singh, Director, Green Façade Solutions Pvt. Ltd.
7. Role of Silicone Sealants in structural glazing and Fire Seals by Mr. S. Ravishankar, Tech. Manager, Dow Corning India Pvt. Ltd.



**Mr. Sourabh Kankar**, RSM, Gujarat Guardian Ltd. delivering lecture



**Mr. Deepak Chugh**, Director, LGF Sysmac interacting with participants during his lecture



**Mr. Hatinder Vohra**, Sales Manager-India, Saint Gobain Glass India Ltd.

8. Role of Sealants and Foams in Window & Doors by Mr. Gopal Kumar, Sr. Executive, McCoy Soudal Sealants
9. Architectural Hardware Solutions by Mohd. Hasham, Manager, Ozone Overseas Pvt. Ltd.
10. Manual & Motorized Hardware Solutions for Aluminium & Upvc glass Doors & Windows by Mr. Deepak Chugh, Director, LGF Sysmac (I) Pvt. Ltd.
11. Use of Glass with reference to ECBC, GRIHA & IGBC parameters and Case Studies by Mr. Abhinav Nanda, National Key Accounts Manager, SGGI

“Guidelines on use of glass in buildings-Human safety” brought out by CCPS was also distributed and the salient features were highlighted. Participants were informed by Mr. Shashi Kant Adviser, CCPS and former Dy. Adviser, Planning Commission that recognizing the importance of this issue concerning human safety, CCPS guidelines have so far been implemented by 17 States, Central & State Govt. departments, PSUs, prominent builders and engineering institutions. Bureau of Indian Standards has also developed IS: 16231 (Pt. 4) 2014, ‘Code of Practice on Use of Glass in Buildings - Safety Related to Human Safety’ which is derived from CCPS Guidelines.



**Mr. Sushil Chokhani**, Sr. Architect, PWD Delhi receiving Certificate from **Mr. Abhinav Nanda**, National Key Accounts Manager, SGGI

Schedule of Rates/specifications of construction departments and byelaws of local bodies. Encouraged by the response and success of this Training Program, Sh. Shashi Kant said that similar programs could be conducted in other parts of the country in collaboration with IBC and offered to arrange visit at the glass processing and glass manufacturing plants for the interested officers. Mr. Deepak Chugh, Director, LGF Sysmac and Mohd. Hasham, Manager, Ozone invited participants to visit their Display cum Demonstration Centres situated at Badli in Delhi and Gurgaon respectively.

Training Program concluded

with Certificate distribution to the participants along with the CD with all the lectures/presentations delivered by the experts during two days sessions. CCPS and IBC thanked Gujarat Guardian Ltd., Saint Gobain Glass India Ltd., Ozone Overseas Pvt. Ltd., LGF Sysmac (I) Pvt. Ltd., Dow Corning India Pvt. Ltd., McCoy Soudal Sealants and Green Façade Solutions Pvt. Ltd. for providing faculty support and display.

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