

# Two-Days Training Programme on “NBC 2016 and Glass & Glazing System in Buildings”

(July 17-18, 2017)

Reported by:

**ER. SHASHI KANT, ADVISER, CCPS, New Delhi**  
Former Dy. Adviser, Planning Commission, Govt. of India



Architectural Glass Panel (Asahi Glass, Gujarat Guardian, HNG Glass & Gold Plus) / AIGMF alongwith other glass manufacturers like Saint-Gobain are committed and making all efforts to propagate appropriate glass use, enhance energy conservation performance, lighting, hygiene and functionality and ensure human and fire safety. In this endeavour the contribution and efforts of Confederation of Construction Products and Services

(CCPS) are appreciable. Regulatory bodies and major Govt. construction departments like CPWD, Govt. of Andhra Pradesh, Govt. of Rajasthan, NBCC, Airport Authority of India, MES, PWD's of Delhi, Haryana etc. have mandated and implemented the recommendation of CCPS “Guidelines on Use of Glass in Buildings: Human Safety”.

Recently revised National Building Code 2016 was released in March 2017 and for the first time a new

section on Glass and Glazing was included in the document. To acquaint and update engineers, architects and professionals particularly from Government sector about the requirements for ensuring safe and appropriate glass use in buildings as per NBC 2016, IS 16231 and CCPS Guidelines continuous efforts are being made, therefore, Two-Days Training Programme on “NBC 2016 and Glass & Glazing System in Buildings”, was organized by CCPS, in collaboration with Indian Buildings Congress (IBC) on July 17 -18, 2017 at IBC (HQ), R. K. Puram, New Delhi.

The program was inaugurated by Mr. Sanjay Pant, HoD, CED, BIS on July 17<sup>th</sup> and certificates were distributed by Brig. Girish Joshi, DDGW (Design), MES at Valedictory Session on July 18<sup>th</sup>.



The programme was participated and attended by 44 senior officers and dignitaries from, Military Engineering Services, Central PWD, Bureau of Indian Standards, PWD Delhi Govt., PWD Gwalior MP, North Municipal Corporation of Delhi, PWD Rajasthan, MMRDA Mumbai, Schueco India, Dhruv Consultancy, Samrat Ashok Technology Institute Vidisha, M. P., Lingaya University, Faridabad and Amity University.

**Following twelve topics were covered,** including the recommendations of Section 8 GLASS AND GLAZING of Part 6 STRUCTURAL DESIGN and Clause 3.4.10 Glazing of Part 4 FIRE AND LIFE SAFETY of National Building Code 2016, during the two days program:

1. Overview of Provisions on Glass and Glazing in IS 16231 (Parts 1-4) and NBC 2016 by Mr. Arun Kumar, BIS
2. Overview - Types of Glass & its Application by Mr. D. S. Sachdev, Former DG, CPWD
3. Why Glass and what we can do to make our Buildings Safer, Healthier & Energy Efficient by Mr. Deepak Gahlowt, Convener, CCPS
4. Selection of Glass with reference to NBC 2016 / ECBC / GRIHA / IGBC parameters and for Energy Efficiency and Thermal Comfort in Buildings by Ms. Suchi Verma, Saint Gobain India Pvt. Ltd.
5. Selection of Glass subjected to Wind and Seismic loading and Codal provisions by Mr. Sourabh Kankar, Gujarat Guardian Ltd.
6. NBC 2016 - Fire Protection and Safety in Glazing by Mr. Hatinder Vohra, Saint Gobain India Pvt. Ltd.
7. NBC 2016 - Human Safety Aspect



in use of Glass and Responsibility of Professionals by Mr. Shashi Kant, Adviser, CCPS

8. Façade Testing a need for Safe and Sustainable Modern Buildings by Mr. Sudhanshu Dighe, Façade India Testing Inc
9. Importance of Selection of right Sealants in Structural Glazing and Fire Seals by Mr. Niten Patial, McCoy Soudal
10. Role of Silicone Sealants in Structural Glazing and Fire Seals by Mr. Himanshu Jain, Dow Corning India Pvt. Ltd.
11. Architectural Hardware Solutions for Glass by Mr. Manav Gulati, Dorma India Pvt. Ltd.
12. Motorized Hardware Solutions for Glass Façade by Mr. Ashim Chugh, LGF Sysmac India Pvt. Ltd.

The program was appreciated by the participants and majority of them viewed that human safety conditions related to glass and glazing should be included in Building Byelaws by the local bodies and items in Schedule of Rates / Specifications of Govt. contraction departments. CCPS appreciated the cooperation, contribution and support of Indian Buildings Congress, Gujarat Guardian Ltd., Saint Gobain India Pvt. Ltd.,

Dorma India Pvt. Ltd., LGF Sysmac (I) Pvt. Ltd., Dow Corning India Pvt. Ltd., Façade India Testing Inc and McCoy Soudal for making the programme successful.

Concerned Departments of Central & State Governments., Development Authorities, Local Bodies, PSUs, prominent architects, consultants were approached by CCPS to take necessary action in propagation, implementation and inclusion in Building Byelaws the relevant recommendations of NBC 2016 to ensure human and fire safety while using glass in buildings and the gist of recommendations was widely circulated. Article on “Revised National Building Code of India 2016 equipped with a new Section on Glass and Glazing” was published in Kanch April-June 2017 issue highlighting the advisory clauses for safety against glass impact, manifestation, ease of carrying out fire fighting and rescue operations etc. Many Departments, Local Bodies, Development Authorities have started considering recommendations of NBC 2016 for implementation. Recently Notification - Chandigarh Building Rules (Urban) – 2017 have been uploaded on July 27, 2017 by Chandigarh Administration and order dated August 25, 2017 was also issued by MES ■