

Deepak Gahlowt, Architect & Convener, Confederation of Construction Products and Services



About CCPS

Confederation of Construction Products and Services (CCPS) is a non-profit agency dedicated to improvements in the manner construction products are installed and used in the country.

Main Objectives:

Work with Construction Industry, Government bodies, Users, and Specifiers to:

- 1. Contribute towards improvements in the quality and efficiency in construction in the country
- 2. Influence the development of the construction sector as organized, forwardlooking, and responsible



About CCPS

CCPS Focus Areas:

- 1. Develop Standards and Code of Practices
- 2. Develop & Conduct Training Programs and Initiatives
- 3. Improve standardization and Pre-assembly in building industry
- 4. Setup systems to collect and disseminate market data



Deepak Gahlowt

Architect Project Manager

Member Royal Institute of Chartered Surveyors (RICS)

Xebec Project Management Services Pvt Ltd Xebec Property Management Services Pvt Ltd Xebec Design and Facilities Pvt Ltd

Confederation of Construction Products and Services Independent Consultant Projects over 180 cities

Permanent staff across over 15 cities

End-to-end solutions

Design-Build-Manage

Some of the most prestigious and challenging projects

Non-profit works

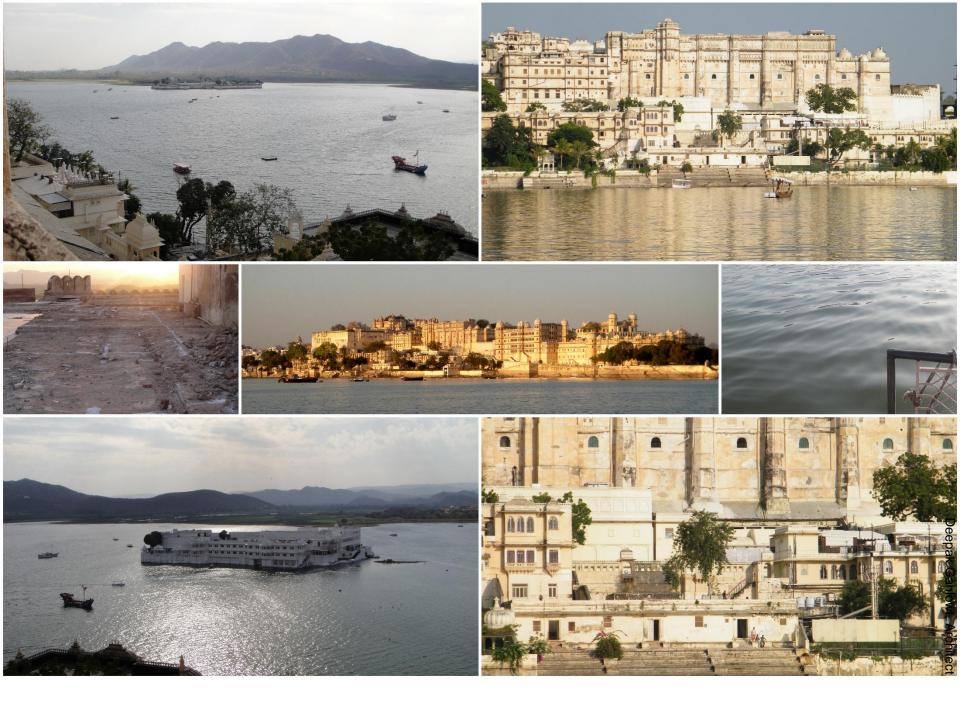
Standards setting

Training / writing / advocacy

Historical conservation









































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The Confederation of Construction



Products and Services (CCPS) has called for compulsory implementation of safety standards on use of glass in buildings as is the accepted practice worldwide. Addressing a media conference held in New Delhi, Deepak Geblowt, convener, CCPS, informed that Centre in Deini is

specially designed to meet the needs of the disabled, says Nalin K Rai

Walking John

camination rooms, working and widing rooms for making the mbs, measurement and plaster

According to Gehlot, they opted for only this much of variety in the design and by and large de teleto

Step by Step

CCPS, is dedicated to the sustainable growth of construction products sector by working collectively with its members and others to improve quality and efficiency in construction. This was organized as part of the CCPS Training

ENGAGEMENTS

 Workshop on bedroom design tips by Deepak Gahlowt at Home Town, The Great India Place, Sector 38A, Noida (Tel 0120-4028100)



में मानव सुरक्षा को ध्यान में रखकर कांच के इस्तेमाल के लिए उचित म ठडरेशन ऑफ कंस्ट्रवशन प्रॉडक्ट्स एंड सर्विसिस (सीसीपीएस) के मान ोकि बुधवार को सेक्टर 33 स्थित हरियाणा सरकार के लोक निर्माण दि तेनिधियों को संबोधित कर रहे थे

DNAPINK CITY

Bylaws on glass use in bldgs



The Great India Place: Deepak Gahlowt to give tips on patterns of bedroom designs, furnishings and colour combinations. Unitech Mall



HAT makes your house tick? Is it the ex-pensive furniture, artefacts, carpets and rugs. No, if the architect is to be believed. According to him what makes a home worth living is lighting. The great Corbusier said Architecture is the masterly and magnificent play of volumes rought together in light." Light s the soul of life. If experts are to be believed domestic harmony ind peace depends on how to use a saturs¹ thing like light to create exotic roundings. Even the best furniture, well

painted walls and priceless paintf good lighting. While on one and a well-lit abode can make it bome sweet home", on the ter a poorly lit one can make ic bell

This fact was stressed at a sching competition held here condy. The event was orga-used by the Indian Society of untaing Engineers (ISLE), a while providing necessary visual information, it is also a major element in the aesthetic experi-

NO IIGIII Domestic harmony depends on a natural thing like light, say experts. ANJU SHARMA writes about a lighting competition that took place recently

energy produced in the coun-try. It is important, therefore, to use this resource effectively and A design concept should have something more than merely technical facets since that can be realise that "more" lighting does not necessarily mean "better" lighting. But Mr Gahlot laments handled by an engineer or an architect. Mr Joshi explains that a good concept of lighting is one "we are not doing anything in terms of concept of lighting. which makes a person feel com fortable and good in his house and not irritated. Lighting is a relevant theme while making a house, show-room or a hotel. But despite its rucial importance the concept lighting has been ignored Architects generally miss out on the concept. Consumers, una-ware of the importance of light-ing, do not stress this point while uilding houses."

Imagination and creativity was the hallmark of the designs The designs attempted to break the current norms and feasibility and cost factors were ignored for once. The entries did not dis-appoint the organisers as creative flair was in abundance. Stu-dents let their imagination run wild — designs ranged from a self-illuminating candle stand to a translucent table lamp moulded in plastic with colourful bands

A NOVEL scheme to light first prize-winning design of K. S. Madhu of the Industrial De-sign Centre of Bombay. The design addressed the problem of both lighting and ventilation in crowded slums. The design makes use of a ventilator device which captures the sunlight in the morning and converts it into artificial energy for lighting at

appreciating socially relevant designs also commended the ex-hibits which could be called utopian in concept. An eve-catching exhibit was the lighting of a tun-nel incorporating the five basic elements of nature - water. fire, wind, air and earth - using three, wind, air and earth — using coloured glasses. Mr Joshi says this design is ideal for hotels and theatres where coloured glass and lighting can be combined to theaters' where colourd glass deal lighting can be combined to create a breathtaking ambience Al.1, designs ranning from Arti-makers to lamps: ranning from Arti-gain shadows to stage lighting and creative, flair.Day-to-day problems like lighting up main holes were approached through uning solar creative. flair.Day-to-day to the stage lighting through the stage of the stage lighting through the stage of the stage lighting through the stage of the stage to fi into spectrades framed for old propie complaning about

The organisers apart from

old people complaining about glare reflection from rims of their glasses showed the sensitiv-ity of the students and their eye for detail.

Another interesting design was the Autolit — a device to accentuate historical artefacts in museums. The system is reg-

One of the posters on display architecture and design and even common man

Says Deepak Gahlot, a practising architect and one of the organisers, the first design com-petition sought to introduce the conceptiof lighting design and evoked a favourable response with a record of 111 entries.Evolved from the first the second competition required participants to re-interpret the established ideas to provide a more meaningful visual environment.

It also introduced the need for energy conservation, an issue of critical national importance. THE entries were judged by an eminent jury comprising Mr Tapas Sen, lighting engineer, Prof R. K. Joshi, Industrial De-sign Centre Bombay, Ms Meena Mani, architect and Mr P. K. Bandopadhyay, Secretary ISLE. Says Deepak Gahlot, light makes it possible for us to see,

night.



Glass – material of the future..



Issues – Energy

- The embodied energy in glass is high and production leaves deep environmental footprint
- Glass use on facades increases energy consumption in buildings



Issues – Safety

- Breakage due to impact hurts people
- In case of fire, glass hurts and kills



Yet glass use is increasing!



Is Glass here to stay?



Social Needs

- Democracy inclusive political and social systems require openness
- Transparency emerging changes in lifestyles and businesses require transparent living and work environment



Psychological and psychological needs

- Need to stay connected with outside
- Daylight stimulates our metabolism



A new architectural vocabulary is required that

a. Integrates need for

- Transparency and communication
- Energy efficiency
- Safety and security

b. Rediscovers

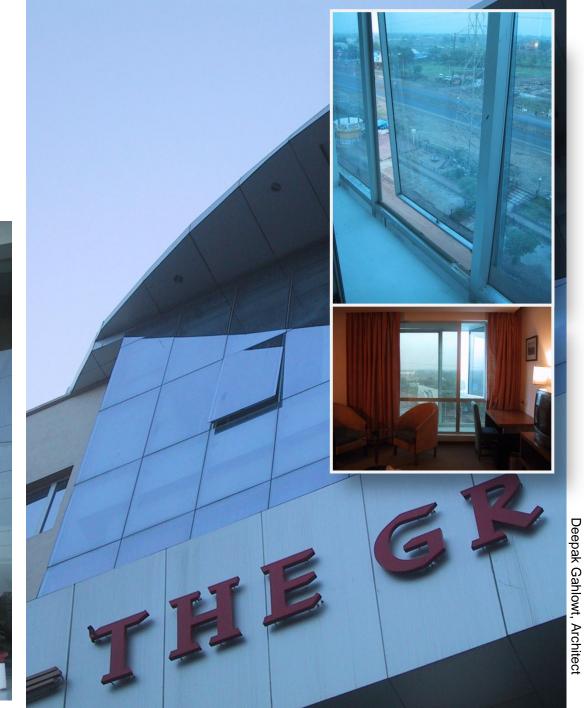
- Transitional spaces and sun cutting devises
- Planning principles
- Siting wisdom

And evolves an architectural language that is not a copy of the west but is responsive to our climate, culture and aspirations



"Well, SURE they'd like me to come up with bold and innovative ideas... but I've got a career to protect!"











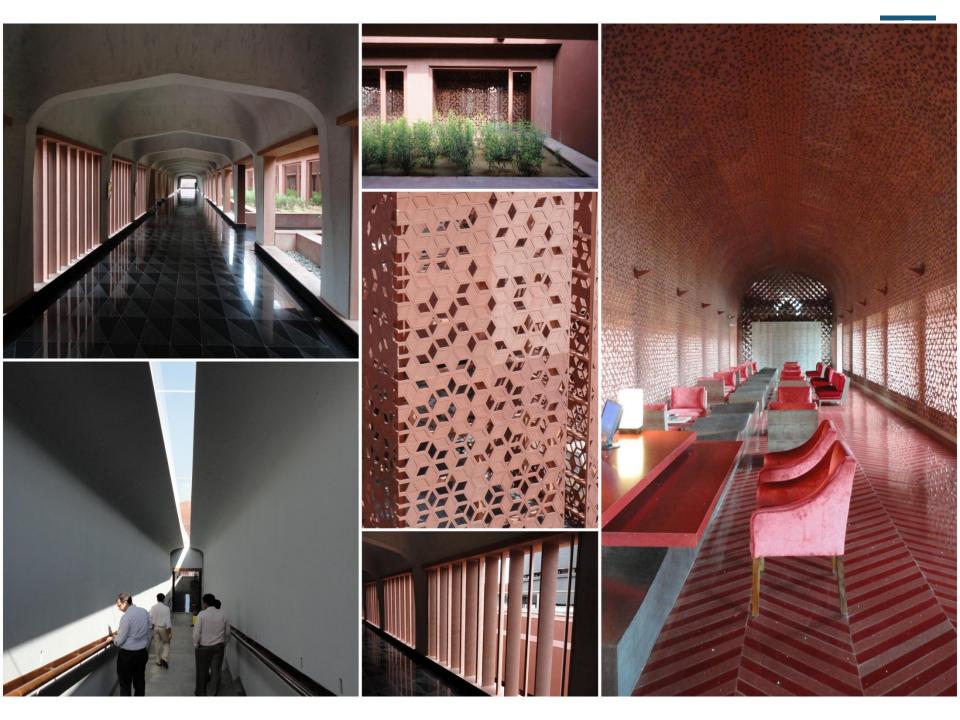
Deepak Gahlowt, Architect



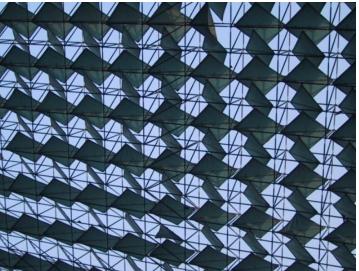


Deepak Gahlowt, Architect



















Deepak Gahlowt, Architect



What needs to be done



Recommendation - 1

- Establish standards for products
 - Upto date product standards will provide a level playing field and will allow manufacturers to invest in quality
 - In absence of standards, the user has no way to distinguish quality and consequently often gets cheated
 - Only those with short term interest and out to make a quick buck at any cost benefit



Recommendation - 1

Which include -

- Standards for products
 - Glass
 - Processed Glass
- Standards for glass use
 - Building byelaws
 - Code of practice



Setup collaborative systems to produce standards

- Do not wait for the government to act
- The industry must initiate the process of making standards in collaboration with user groups
- Support
 - CCPS coordinate the process and will bring users groups on board – CREDAI, IIA, IBC and government organizations
 - ISLE Will bring issues relating to daylight
 - ASHRAE / ISHRAE Energy use in building



Recommendation - 2

- Conduct training programs of selection on materials w.r.t. energy impact / safety / security
 - Train professional to understand issues / relationships between material and use



Recommendations - 3

- Collate existing information / research / data available in the country and make available to users and professionals
 - Detailed metrological data for Indian cities
 - Solar insolation / radiation data (both direct and diffuse, on horizontal and vertical surfaces) for Indian cities
 - International Daylight Measurement Program data.
 MNES paid CBRI to collect the data but has never been released



Recommendations - 4

- Setup / promote testing standards and facilities
 - Will encourage user/designers to innovate by being able to demonstrate the performance of non-standard systems
 - Will help integrate traditional systems and products in mainstream practice
 - Will help the building industry upgrade itself
- Example BEE Ratings