

INDIAN BUILDINGS CONGRESS

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CALL FOR PAPERS



INDIAN BUILDINGS CONGRESS

25th Annual Convention & National Seminar

on

*“Sustainable Built Environment
for Future”*

January 2022



Indian Buildings Congress

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INDIAN BUILDINGS CONGRESS

25th Annual Convention & National Seminar on “Sustainable Built Environment for Future”

The Indian Buildings Congress (IBC) was founded on 1st September 1992 and registered as a society on 29th March 1993, with its headquarter at New Delhi. The vision of the organization is a built environment, which is affordable, aesthetic and conducive to good living. IBC is striving continuously to bring all professionals connected with built environment, like administrators, financiers, planners, developers, architects, engineers of all disciplines, horticulturists, builders, researchers, teachers and manufacturers of building materials on a single platform so as to form collective opinion related to built environment for implementation by various stakeholders.

THE CONVENTION

IBC will be holding its 25th Annual Convention & National Seminar in January, 2022. The Annual Convention, apart from conducting business like holding of AGM, Governing Council Meeting & appointment of Office Bearers for ensuing term, will also include a National Seminar. Members of IBC and professionals of Government Departments, Housing Boards, Development Authorities, Town and Country Planning Organizations, State PWDs, Teaching & Training Institutes, Technical Universities, Builders, Developers and all others interested in building management are cordially invited to contribute Papers for the Seminar.

THEME OF THE SEMINAR

The theme of the Seminar will be “**Sustainable Built Environment for Future**”

OBJECTIVE OF THE SEMINAR

Developed countries over the past few decades have become synonymous with higher consumption. Rapid growth of population, low height construction of buildings with larger foot print area coupled with unprecedented urbanisation has multiplied the consumption many fold. Use of large variety of manufactured building materials, high level of mechanisation consuming enormous energy, fossil fuels, and emitting pollution has put a lot of strain on the natural resources. To meet the demand of ascending development of human civilization, the existing rate of consumption of resources and land would increase, causing further shortage of land, pollution of environment and depletion of its resources that cannot be sustained in future.

Today the sustainability of built environment is hampered by several forces and factors, such as inadequacy of land, construction materials, water, energy and non-availability of clean air. Horizontal expansion with low height buildings and improper planning has created the problems of overcrowding, lack of open spaces, poor sanitation, pollution, and depletion of underground water in cities in India. High rise smart buildings having minimum footprint area with smart management of spaces and services will economize land use and can lead to sustainable built environment in future.

Total dependence on the conventional materials and on the use of virgin materials for construction has worked against the ecology of the world. The technological advances that have taken place in the past few decades have amply proved the efficiency of some alternative

sources of materials, such as industrial and agricultural wastes, bio composites, plantation timber, plastics etc. The greater utilization of these materials can lead to sustainable development.

Air & water pollution and waste entering the environment have seriously affected health and quality of life. As a result of industrialization and mechanization, global warming is taking place due to increased levels of green house gases.

Available sources of energy cannot sustain the rising demand by a huge population. We need to invest in non-conventional and non-depletive energy resources. Energy and environment concerns are therefore, of great importance.

The international effort of United Nations General Assembly through its 2030 Agenda for “Sustainable Development” that includes 17 Sustainable Development Goals (SDGs) on the principle of “leaving no one behind” and that development must balance social, economic and environmental sustainability will go a long way in creation of sustainable Built Environment in future.

Sustainable Built Environment and operations can have extensive direct and indirect impact on the environment, society, and the economy, which are commonly referred to as the 3 P's ('Planet', 'People', and 'Pocket'). The field of sustainable design seeks to balance the needs of these areas by using an integrated approach to create "win-win-win" design solutions.

The Seminar will review all the aspects and evolve policies and guidelines that, if followed, will bring improvement in levels of sustainable built environment for future. Discussions are planned to be held on the following sub-themes including case studies:-

- Planning & Designing for sustainable Built Environment for Future.
- Sustainable Materials and Green Buildings; Management of Water, Solid and Liquid Waste with application of Zero Waste Technologies.
- Alternative Energy Resources with Net Zero demand / Energy Plus technologies and Indoor as well as Outdoor Environment / Climate Concerns.
- Life Cycle Cost; Legal Issues/ New Regulations and reforms required.

CALL FOR PAPERS

Authors are requested to contribute two hard copies of their Paper, alongwith CD in Microsoft Word. The Paper should not exceed 3000 words and should also contain an Abstract of about 200 words. Accompanying drawings and figures should be of good quality. Photographs, if any, should be sent in original or through separate scan file. The Paper should not have been published earlier or presented in any other Seminar/Conference. Authors should also indicate the names of co-authors, their affiliation, mailing addresses and mobile numbers. Papers selected for the Seminar will be published in the ‘Preliminary Publication’ of IBC. Upto two authors of each Paper shall be given a free delegate status. While full text of paper can be submitted by December 15, 2021, authors should communicate their intention of submitting the Paper along with a brief Abstract by November 20, 2021. All correspondence concerning Papers may be addressed to :

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