

COURSE ANNOUNCEMENT

HUDCO's Human Settlement Management Institute
e-ITEC Five Days Online Training Programme for
Overseas Professionals on

Decarbonizing Habitat Programme – Meeting the Global Targets

Date: 7th August – 11th August, 2023



Under e-ITEC

Sponsored by Ministry of External Affairs, Government of India

ABOUT THE PROGRAMME

Global warming has resulted from rising average atmospheric temperatures, which has caused major changes in the Earth's climate and weather systems. As humans continue to release heat-trapping greenhouse gases (GHG) into the atmosphere, these changes continue to accelerate. CO₂ emissions can come from both natural and man-made sources. However, the impact due to man-made activities are significant in contributing negatively to the environment. The construction industry utilizes a huge quantity of non-renewable energy and emits a significant amount of CO₂ emission in the environment. Buildings account for around 39% of annual global CO₂ emissions.

Taking urgent actions to combat climate change and its devastating impacts is therefore an imperative to save lives and livelihood and key to making the SDG 13 the blueprint for a better future. In line with the SDG 13, India is implementing the National Action Plan on Climate Change (NAPCC) which provides an overarching policy framework for all climate actions including mitigation and adaptation. At COP26, India has formulated the 5-step approach and committed to meet carbon neutrality by 2070.

Reducing carbon footprint can heal the environment, stop wildlife extinction, reduce health risks and improve local economies. The theme of the programme “**Decarbonizing Habitat Programme – Meeting the Global Targets**” highlights encouraging CO₂ emission reduction, energy conservation planning and the execution of methods to decrease potential emissions.

ABOUT HUDCO AND HSMI

Housing and Urban Development Corporation Ltd. was set up in 1970 by the Government of India to accelerate the pace of housing and urban development in the country.

HUDCO has more than 50 years experience in providing company loans for housing and urban infrastructure projects in India and has established itself as a premier techno-financing.

HUDCO's Human Settlement Management Institute (HSMI) is the research and training wing of HUDCO, a Govt of India undertaking under the Ministry of Housing and Urban Affairs, HSMI provides training for professionals on a variety of issues of housing, urban and regional planning and development. HSMI has considerable experience of conducting short term training programmes. So far, it has conducted 46 ITEC programmes in which about 1000 international participants from more than 75 countries have been trained.



LANGUAGE OF THE COURSE

The course will be conducted in English.

WEBINAR TIMINGS

Three to Four sessions shall be hosted per day as per convenient local time intimated in advance to participants. The IST (UTC +5:30 hrs) for the webinar schedule shall be 03:30pm – 07:30 pm.

PROGRAMME OBJECTIVES

The key objective of this course is to provide a vision about the decarbonization need in today's world and strategies adopted to reduce carbon emissions in built form

- Understanding carbon emissions globally
- Indian context and understanding market complexities
- International codes and commitments for meeting climate goals
- SDG's and its route map globally
- Government of India initiatives for achieving climate goals
- Strategies which can be implemented during design process to reduce carbon footprint in built form
- Strategies to reduce carbon footprint in existing built form
- Role of Smart Infrastructure in ensuring sustainable use of managed resources in smart cities.



TARGET GROUP - The course is specially designed for mid to senior level officers of government/ Private/ NGO sector engaged in the housing and urban development sector. The programme will give them an in depth understanding of the carbon market, carbon footprint of the building and interventions required to integrate sustainability in the planning of Built form and urban services.

ELIGIBILITY - Working professionals, consultants and decision makers from government and non-government institutions, academicians and Researchers working in the field of Sustainability and GHG reduction in housing and urban development sector. Preferred Age group is 25-45 years.

13 CLIMATE ACTION



PROGRAMME CONTENTS

The course is divided into 5 modules and a brief description of each module covered in the programme is given below:

Module 1 : Introduction to Carbon markets and various Government of India Initiatives in tackling Climate Change.

Module 2 : Understanding the Carbon Emission Matrix in Built Environment

Module 3 : Integrating Sustainability in New Urban Built Form

Module 4 : Integrating Sustainability in Existing Urban Built Form

Module 5 : Smart Cities

TECHNICAL PLATFORM

The sessions shall be delivered on Microsoft Teams/ Webex, etc. The participants may access it through Laptop, Desktop, Mac, mobile, iPad and facilities shall include-Defined user access control;

- Content / Module Design/ Upload/ Hosting that is compatible with – Ppt, Pdf, Word, Images, YouTube Link, Video, Web Link;
- Mobile/ Laptop/ Desktop connectivity for iOS, Android, Windows;
- Access for participants will be easier through the email ids in google/ apps downloaded for the webinar platforms.

HUDCO's HUMAN SETTLEMENT MANAGEMENT INSTITUTE

(ISO 9001: 2015 CERTIFIED)

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