



RESIDENTIAL TRAINING PROGRAMME

DECARBONISING CITIES

A WHOLE-CARBON APPROACH FOR LOW-CARBON AND ENERGY-EFFICIENT DEVELOPMENT

DATES: **OCTOBER 6-9, 2026** | VENUE: **ANIL AGARWAL ENVIRONMENT TRAINING INSTITUTE, NIMLI, RAJASTHAN**

In the wake of India's net-zero and doubling energy efficiency goals, urban areas require moving beyond isolated interventions. They need to adopt a comprehensive development approach that treats cities, buildings and construction materials as interconnected systems, as urban emissions and energy use are heavily shaped by decisions made at each of these levels.

At the city scale, decarbonisation is closely tied to managing outdoor heat. This requires enhancing urban green and blue infrastructure, shading, microclimate, using reflective and permeable pavements, and integrating heat-sensitive urban planning into zoning and design codes. At the building scale, the focus shifts to thermally-efficient envelope design that minimizes cooling demand and addresses energy efficiency.

Exploring low-carbon cooling systems such as those with alternative energy, passive techniques, heat recovery mechanisms, low-GWP refrigerants, and smart controls, is becoming increasingly crucial. A circular approach to materials involving reuse and recycling of construction and demolition (C&D) waste and adoption of green cement alternatives, directly addresses one of the largest sources of embodied emissions in the built environment.

Centre for Science and Environment (CSE) is offering a four-day training programme designed to equip practitioners with the knowledge and practical tools to plan and implement low-carbon and energy-efficient development strategies. This includes an urban cooling framework that enables cities to adapt and plan intelligently using a whole-carbon approach. Such approaches have become imperative for cities in the wake of increasing climate vulnerabilities and achievement of India's net-zero goal.

Sponsorships and discounts available

KEY TAKEAWAYS

- Understanding urban discomfort and implications of climate change on cities
- Assessing climate risk, hazard and vulnerability and identifying adaptation and mitigation strategies using remote sensing and GIS
- Developing urban cooling framework for adaptation and decarbonisation
- Simulations for microclimate enhancement and outdoor thermal comfort
- Enabling thermal comfort through building design and materials and introduction to energy conservation building codes
- Overview of low embodied carbon materials and construction technologies: traditional knowledge, C&D waste and green cement
- Introduction to low-carbon cooling systems and technologies

LAST DATE FOR RECEIVING COMPLETED APPLICATIONS: SEPTEMBER 30, 2026

OTHER BENEFITS

- Certificate of Participation from CSE on completion of the training
- E-alerts for CSE webinars, trainings and workshops on the subject, and subscription to CSE's weekly e-newsletter.
- Alerts for CSE's work (publications, videos, events, etc) related to sustainable habitat.
- One year subscription of Down To Earth fortnightly e-magazine

COURSE FEES

RS 32,000

(sponsorships and discounts available, subject to satisfactory completion of the application form)*

*Course fee includes tuition fee, external expert lecture sessions, training materials, boarding and lodging, and transport from Delhi to AAETI and back.

TO REGISTER

CLICK HERE

OR SCAN QR CODE



FOR MORE DETAILS, CONTACT



TRAINING COORDINATOR :

Takshi Dave, Senior Research Associate,
Sustainable Habitat Programme,
CSE, 9925253110 | takshi.dave@cseindia.org



PROGRAMME DIRECTOR

Rajneesh Sareen
Sustainable Habitat Programme, CSE
rajneesh.sareen@cseindia.org