



HEAT-PROOF CITIES

PATHWAYS TO SUSTAINABLE COOLING AND HEAT MITIGATION

Dates:
January
27-30, 2026

Last date to
apply: January
23, 2026

Venue: Anil Agarwal
Environment Training Institute,
Nimli (near Alwar), Rajasthan

The world has warmed by about 1.5°C since pre-industrial times. With 2024 declared the hottest year on record and the past decade the warmest ever, cities have become the frontline of this crisis. As urban areas grow more heat-stressed, the demand for cooling continues to surge. Additionally, current cooling technologies release large amounts of waste heat into the environment, further intensifying the Urban Heat Island effect.

In India, space cooling demand in buildings is projected to rise 11-fold by 2038 compared to the 2017-18 baseline, which will drive up energy consumption. To address this issue, India has recognised the urgent need for a sustainable cooling transition. The India Cooling Action Plan (ICAP, 2019) targets to cut cooling demand across sectors by 20-25 per cent by 2037-38, among other national goals. Achieving this will require cities to revisit urban planning and design and adopt an approach that integrates cooling with the planning of the built environment. A cooling master plan can enable this and serve as a vital framework to structure and optimise city-wide cooling by combining nature-based solutions and Cooling as a Service, which includes not-in-kind technologies, energy-efficient systems and scaling up of renewable or alternative energy sources.

Centre for Science and Environment (CSE) is offering a four-day training programme that will equip participants with an advanced methodology to plan and design cities that not only adapt to rising heat but also actively reduce it. The programme will also cover how to implement these cooling strategies and support long-term climate mitigation.

COURSE FEE

Rs 28,000

(sponsorships and discounts available, subject to satisfactory fulfilment 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.

SALIENT FEATURES

- Understanding thermal discomfort, current policy levers and opportunities
- Mapping heat-stressed areas and heat sinks with the help of remote sensing and GIS
- Design solutions for microclimate enhancement
- Optimising cooling energy demand in a city through demand flexibility and aggregation approaches
- Integrating renewable energy with urban systems, including alternative energy sources
- Exploring not-in-kind and sustainable cooling solutions
- Enabling thermal comfort through passive design techniques to reduce operational energy in buildings
- Introduction to low embodied carbon materials and construction technologies

WHO CAN APPLY

Officials from urban local bodies and other government departments, pollution control officials, regulators, architects, engineers, planners, builders/developers, researchers and anyone interested in the circularity of the built environment.

To register,
scan this
QR code



COURSE COORDINATOR

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