

Host the Climate Technology Centre (CTC) under the United Nations Framework Convention on Climate Change (UNFCCC)

Executive Summary

The transition to low-emission and climate-resilient development pathways requires the rapid deployment and diffusion of climate technologies across sectors and economies, particularly in developing countries. While significant advances have been made in technology development and international climate policy frameworks, the key challenge today lies in **scaling implementation of these technologies at the pace and scale required to address the global climate crisis.**

The Climate Technology Centre (CTC), operating under the United Nations Framework Convention on Climate Change (UNFCCC) Technology Mechanism, plays a critical role in facilitating the development, transfer, and deployment of climate technologies in response to requests from developing countries. Working through a global network of institutions, the Centre supports governments in identifying technology needs, strengthening enabling environments, building capacity, and accelerating the implementation of mitigation and adaptation solutions.

The Confederation of Indian Industry (CII) submits this proposal to host the Climate Technology Centre Secretariat, bringing to the role a unique combination of **global industry engagement, technology deployment experience, and innovation ecosystem leadership.**

Institutional Strength of CII

The Confederation of Indian Industry (CII), with operational leadership from its Sohrabji Godrej Green Business Centre (CII-GBC), is India's leading industry organization working at the intersection of sustainable development, industrial transformation, and climate action.

Over the past two decades, CII-GBC has developed extensive experience working with governments, industries, and international organizations across Asia, Africa, the Middle East, Europe, and Australia to support industrial decarbonization, energy efficiency, climate policy development, and clean technology deployment.

CII maintains a strong institutional footprint with **65 offices across India, including 12 Centres of Excellence, and 11 overseas offices located in Australia, Bahrain, China, Egypt, France, Germany, Iran, Singapore, South Africa, the United Kingdom, and the United States.** In addition, CII maintains partnerships with **over 355 counterpart organizations in 126 countries,** enabling global collaboration in technology development, knowledge exchange, and policy dialogue.

CII's institutional structure also includes a network of national councils and committees that bring together industry leaders, policymakers, and experts across sectors. These include platforms such as the CII National Council on Climate Change and Sustainability and the National Committee on Technology, Innovation and Research, which support strategic dialogue on industrial transformation, innovation, and climate action.

Through these networks, CII has built a robust platform connecting governments, industries, research institutions, technology providers, startups, and financial stakeholders to accelerate the adoption of sustainable technologies.

Experience in Climate Technology Deployment

CII brings substantial technical expertise in the deployment of climate technologies across industries and geographies.

CII-GBC has conducted **more than 2,200 industrial energy audits and energy efficiency improvement studies across Asia, the Middle East, Africa, and Australia**, supporting industries in identifying and implementing resource-efficient technologies.

In addition to technical advisory services, CII is supporting governments and industries in developing sectoral decarbonization strategies, including the development of a **cement sector decarbonization roadmap for Kenya**, in collaboration with the United Nations Industrial Development Organization (UNIDO). The organization is also supporting **monitoring, reporting, and verification (MRV) capacity building for the cement and steel industries in Indonesia**, helping strengthen emissions tracking and mitigation planning in alignment with international climate frameworks.

CII has also supported corporate decarbonization initiatives for major industrial groups operating across multiple countries, including projects involving emissions verification and long-term decarbonization strategies.

Technology Innovation and Deployment Ecosystem

Beyond technical advisory services, CII has built a comprehensive ecosystem to identify, validate, and scale innovative climate technologies. Through multiple innovation and accelerator platforms, CII facilitates collaboration between startups, research institutions, technology providers, and industry adopters, enabling promising solutions to move from prototype stages to real-world industrial deployment.

Through initiatives such as the **Facility for Low Carbon Technology Deployment (FLCTD)**, implemented in partnership with the United Nations Industrial Development Organization (UNIDO), CII has supported the identification and pilot deployment of innovative low-carbon technologies across industrial sectors. The program has facilitated more than 50 pilot demonstrations across industrial facilities and validated 56 innovative technologies through internationally recognized measurement and verification frameworks, generating significant potential for energy savings and emissions reductions.

CII has also developed dedicated platforms to accelerate the growth and deployment of cleantech startups. Through the **Green Entrepreneurship Council (GEC)** and the **Acceleration of Cleantech Enterprises (ACE) program**, CII supports growth-stage clean technology companies by facilitating market access, pilot demonstrations, industry matchmaking, and commercialization support. The ACE program has engaged more than 45 cleantech startups across sectors including energy

efficiency, renewable energy, water management, and waste management, helping scale innovative technologies across industrial applications.

In addition, CII supports the piloting and commercialization of emerging climate technologies through initiatives such as **ASCEND (Activate Startups in CleanTech to Strategize, Execute, Navigate & Deploy)**, which focuses on technologies in mid-stage development (TRL 5–7). Through ASCEND, CII connects innovators with industry adopters, investors, and research institutions to accelerate technology validation and deployment in real-world environments.

CII also facilitates international innovation accelerators that enable cross-border technology transfer and commercialization. These include initiatives such as the **India–Sweden Innovations’ Accelerator**, which has introduced more than 70 Swedish cleantech companies to the Indian market and facilitated more than 200 collaboration projects between technology providers and industry adopters. Similar initiatives include the **India–Australia RISE Accelerator**, implemented in collaboration with CSIRO and NITI Aayog, which supports Australian climate technology startups in identifying market opportunities and piloting their technologies in Indian industrial environments. CII also facilitates the **India–Japan Green Business Project** in partnership with the Japan External Trade Organization (JETRO), enabling Japanese clean technology companies to collaborate with Indian industries on sustainability solutions.

Through these initiatives, CII plays a key role in bridging innovation ecosystems with industrial deployment opportunities, enabling technologies to move from concept to commercial scale.

Global Partnerships and Stakeholder Engagement

CII’s ability to convene diverse stakeholders and facilitate international collaboration represents a significant institutional strength that is directly relevant to the coordination role of the Climate Technology Centre.

The organization has longstanding partnerships with international development organizations and research institutions, including UNIDO, the International Solar Alliance (ISA), the World Bank Group, UNDP, ADB, GIZ, the Swedish Energy Agency, CSIRO (Australia), GGGI, USAID and the Leadership Group for Industry Transition (LeadIT). Through these partnerships, CII has facilitated policy dialogue, technology transfer initiatives, and industry-led decarbonization programs across multiple regions.

CII also facilitates structured international cooperation platforms that support technology transfer and industrial transformation. These include bilateral and multilateral industry transition platforms with partner countries such as Sweden, Japan, Germany, the United Kingdom, Australia, and the European Union. These platforms bring together governments, industry associations, research institutions, and technology providers to accelerate the adoption of clean technologies and industrial decarbonization strategies.

In addition to technology cooperation initiatives, CII has extensive experience convening large-scale international multi-stakeholder platforms that engage governments, global industry leaders, and international organizations.

Notably, CII served as the **institutional anchor for the Business 20 (B20) engagement group during India's G20 Presidency**, coordinating structured inputs from global industry into the G20 process. This role involved managing engagement across multiple task forces, countries, and stakeholder groups while maintaining alignment with intergovernmental processes and ensuring balanced representation of diverse sectoral perspectives.

CII also convenes several long-standing global dialogue platforms including the **India Economic Summit**, which brings together heads of government, ministers, global CEOs, international organizations, and thought leaders to discuss global economic and sustainability challenges.

Other major platforms include the **CII Partnership Summit**, a premier investment and policy dialogue forum, and the **CII Sustainable Development Conference (SDC)**, which brings together global stakeholders across climate, technology, policy, and industry to accelerate sustainable development solutions.

CII's international engagement also extends to **South-South cooperation platforms** such as the **India-Africa Business Conclave**, the **India-Latin America and Caribbean Business Conclave**, and the **India-CLMV/ASEAN Conclaves**, which support cross-regional collaboration in industrial development, technology transfer, and capacity building.

Through these platforms, CII has demonstrated its ability to manage complex international stakeholder ecosystems and facilitate structured collaboration across governments, industries, and technology providers, capabilities that are directly relevant to hosting and coordinating the Climate Technology Centre.

Vision for Hosting the Climate Technology Centre

As host of the Climate Technology Centre, CII will bring a **deployment-focused, industry-connected approach** to the global climate technology ecosystem. Building on its experience in technology deployment, international collaboration, and innovation acceleration, CII will focus on:

- Supporting developing countries in identifying and prioritizing climate technology solutions
- Facilitating pilot and demonstration projects to accelerate technology deployment
- Strengthening national innovation ecosystems and industrial adoption pathways
- Mobilizing a diverse global network of technology providers and experts
- Promoting South-South and triangular cooperation in climate technology transfer
- Supporting capacity building and knowledge exchange among developing countries

Leveraging its global networks & industry partnerships, CII will enable the Climate Technology Centre to accelerate transition from **technology innovation to large-scale deployment**, helping countries implement practical solutions that support both climate mitigation and adaptation objectives.