

Call for Ignition Grants



**Technology-based Energy Solutions:
Innovations for Net Zero**



Climate Change is one of the biggest challenges facing our world today. Global collaborations and partnerships will play a critical role in the development of innovative, interdisciplinary, and disruptive approaches to address the many different aspects of climate change and sustainability.

India-U.S. Climate and Clean Energy Agenda 2030 Partnership

Launched by Prime Minister Modi and President Biden in April 2021, the Partnership focuses on strengthening bilateral collaborations in the areas of climate, clean energy, and sustainability through strategic priorities and investments. The ambitious program seeks to

- mobilize finance and speed clean energy deployment;
- demonstrate and scale innovative clean technologies needed to decarbonize sectors including industry, transportation, power, and buildings;
- and build capacity to measure, manage, and adapt to the risks of climate-related impacts.

Technology-based Energy Solutions: Innovations for Net Zero

A call to action to the Entrepreneur and Research communities in India and the United States to develop out-of-the-box, innovative solutions to address critical climate and sustainability challenges

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Overview

- Partnership between the U.S.-India Science and Technology Endowment Fund (USISTEF) and Social Alpha
- Aligns with the goals of the U.S.-India Strategic Clean Energy Partnership
- Encourages projects that
 - o demonstrate technological innovation and potential for commercial viability;
 - o leverage advances in science and technology;
 - o and highlight synergy between the Indian and U.S. partners.



Objectives

Select and support “technology showstoppers” - promising joint U.S.-India S&T based entrepreneurial initiatives that address the development and implementation of new technologies, tools, and systems to address climate and clean energy challenges in the following focus areas:

- **Next generation Clean and Renewable Energy Technologies**
- **Energy Storage Technologies**
- **Carbon Sequestration Technologies**



Eligibility

- Binational Teams with unique/complementary expertise and leveraging resources from each partner.
- Teams may include government, academic, non-governmental or commercial entities, and any combination thereof, provided they focus on applied R&D, and have commercial potential.



Partners

The **U.S.-India Science and Technology Endowment Fund** was established in 2010 by the governments of the United States of America (through the Department of State) and India (through the Department of Science & Technology) to promote joint activities that lead to innovation and entrepreneurship through the application of science and technology. The goal of the fund is to support and foster joint applied R&D to generate public good through commercialization of technology achieved through sustained partnerships between U.S. and Indian researchers and entrepreneurs. USISTEF has thus far supported over 50 joint U.S.-India entrepreneurial projects through 11 Calls.

Social Alpha is a multistage, innovation curation and venture development platform for science and technology start-ups that address the most critical social, economic and environmental challenges through the power of entrepreneurship and market creating innovations. Social Alpha's Energy Lab - The **Clean Energy International Incubation Centre (CEIIC)**, is a joint initiative of Tata Trusts and the Government of India supported by Department of Biotechnology, BIRAC, Tata Power and Tata Power – Delhi Distribution Limited. CEIIC has been set up for promoting innovations in the energy space and is designed to offer complete "lab to market" incubation support to clean energy enterprises, both Indian and International.

The Indo-U.S. Science & Technology Forum (IUSSTF) is an autonomous, bi-national organization jointly created by the Governments of India and the United States of America in 2000. IUSSTF's broad mandate is to promote, catalyze and seed bilateral collaboration in science, technology, engineering and innovation through substantive interaction amongst federal agencies, academia and industry. All activities under the auspices of the U.S.-India Science and Technology Endowment Fund are implemented and administered by IUSSTF.

**For more information about the Call for Ignition Grants,
please visit www.iusstf.org**