

Funded Projects



Water, Sanitation, Health, and Hygiene Intervention project between US National Institutes of Health and Karakoram International University, Gilgit.

Minimal Invasive Surgery and Telemedicine project between Virginia Commonwealth University and Holy Family Hospital, Rawalpindi.



Halophytes project between Brigham Young University and University of Karachi



Cattle and Buffalo Genetics project between USDA and University of Veterinary and Animal Sciences, Lahore



Asphalt Recycling project between Michigan State University and National University of Science and Technology, Islamabad.

Contact the Program

For more information about the program and previously funded projects, please visit the program website:

US: www.nationalacademies.org/pakistan

Pakistan: www.hec.gov.pk

Inquiries about the program can be sent to

US: pkcontract@nas.edu

Pakistan: snfatima@hec.gov.pk

Project sites (# of projects)



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Pakistan-U.S. Science and Technology Cooperation Program

“Seeking solutions together through research and education”



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History

In 2003, the Governments of Pakistan and the United States signed a comprehensive Science and Technology Agreement to increase cooperation in science, technology, engineering, and education for mutual benefit and peaceful purposes. In 2005, USAID-Pakistan joined the Higher Education Commission (HEC) and the Ministry of Science and Technology (MoST) to fund activities stemming from this agreement and in 2008, the US Department of State joined as US co-sponsor of the program. Most recently on October 23, 2013 this agreement was renewed until 2018.



This program is jointly implemented by the National Academies (NAS) in the US and by HEC in Pakistan with MoST participation in previous years. As of 2013, a total of 83 joint projects have been funded. With contributions from each country, grants have been awarded to scientists and engineers from 38 Pakistani institutions of higher education and 63 US universities and R&D institutes.

Program Objectives

Projects funded under this program should contribute to building research capacity in Pakistan while strengthening Pakistan-US cooperative relationships in one or more of the following ways:

- ◆ Enhancing the ability of the science and technology community to spur human and economic development in Pakistan;
- ◆ Improving the quality, relevance, or capacity of education and research at Pakistani institutions of higher education in science and technical fields; and
- ◆ Improving the capacity of Pakistani research institutions to support industry competitiveness.

Focal Areas

The program welcomes proposals across a wide range of topics, including but not limited to:

- Health/Medicine
- Energy and Renewables
- Water/Water Resources
- Information Technology
- Environment/Biodiversity
- Engineering
- Food Security
- Veterinary Science
- Plant Science
- Material Science

Also, submission of proposals focused on technology transfer, entrepreneurship, innovation and commercialization is especially encouraged.

Eligibility

Proposals are to be developed in partnerships with **at least one Pakistani partner and one US partner** who are interested in conducting **collaborative research**. Pakistani partners must be based at a Pakistani university or research institute officially recognized by HEC (please consult the list posted at <http://beta.hec.gov.pk/OurInstitutes/Pages/Default.aspx>). The program encourages proposing partners to take advantage of the widest range of Pakistani talent capable of contributing to the achievement of objectives.

Private companies may not apply or receive funding, but may participate as partners on projects.

Anticipated Awards

Request for funding can vary in amount and length but should **not exceed three years**. The total combined (US and Pakistan) budget request should **not exceed \$500,000** for the lifetime of the project.

The program gives priority to projects in which the main locus of activity is in Pakistan, so budget should be allocated accordingly. Projects involving female scientists and students at all levels are encouraged.

Selection and Review Criteria

This program operates on a **merit-based** peer review process emphasizing **quality, relevance, and potential for impacts**. The first level of review is conducted by a group of expert scientists and organized independently in each country.

First level peer review criteria

- ⇒ Relevance to the program objectives
- ⇒ Scientific and technical merit
- ⇒ Cost-effectiveness
- ⇒ Capabilities of the participating institutions and individuals
- ⇒ Nature and quality of the collaboration and dissemination plan

★ Assessment on commercialization and technology transfer (Bonus points effective phase 6)

Proposals with favorable recommendations from the first level peer review will be discussed by a **joint panel** composed of sponsors from the US and Pakistan. **Consensus** by this joint panel determines final funding decisions.

How to Apply

To better prepare for proposal submission, applicants are strongly encouraged to visit the program websites in Pakistan www.hec.gov.pk and in the US at www.nationalacademies.org/pakistan to access the following information:

- ◆ Request for proposal (RFP)
- ◆ Proposal Preparation and Submission Instructions
- ◆ FAQs to the program
- ◆ Previously funded projects