



**GOVERNMENT OF INDIA
DEPARTMENT OF BIOTECHNOLOGY
MINISTRY OF SCIENCE & TECHNOLOGY**

Call for joint proposals by the Department of Biotechnology, Ministry of Science and Technology, Govt. of India and Ministry of Science and Technology, Socialist Republic of Vietnam to support Medical, Environmental, Agriculture and Animal Biotechnology (including Aquaculture) research.

The Department of Biotechnology (DBT), Govt. of India and Ministry of Science and Technology (MOST), Socialist Republic of Vietnam announce a joint call for collaborative proposals to support Medical, Environmental and Agricultural Biotechnology (including Animal and Aquaculture) research. The project period shall be 24 to 36 months.

The purpose of the call is to build on the combined strengths of academic research groups within India and the Socialist Republic of Vietnam work together on collaborative multi-disciplinary research in the areas mentioned below:

i. Agriculture Biotechnology

- Marker assisted breeding for agronomically important traits in crop plants with special reference to rice;
- Isolation, characterization and functional validation of novel genes/promoters for agronomically important traits in crop plants;
- Application of biotechnology in plant genetic resource management.

ii. Medical Biotechnology

- Development of *in vitro* molecular diagnostic assays for various infectious and non-infectious diseases of relevance to India and Vietnam;
- Development of vaccines for various infectious diseases including technology transfer for co-production in both the countries;
- Evaluation of bioactive compounds from plants/microbes for their application.

iii. Animal Biotechnology (including Aquaculture)

- Improved vaccines and molecular methods of diagnosis for animal and poultry diseases including nano delivery systems;
- Innate immunity analysis of native breeds of animals and chickens to identify their disease resistance characteristics;
- Application of biotechnology in animal genetic conservation.

iv. Environmental and Industrial Biotechnology

- Application of biotechnology in food processing/industry;
- Application of biotechnology for environment protection/ biofertilizer production.

HOW TO APPLY:

Complete details for submission of collaborative project proposals are available at DBT website (www.dbtindia.nic.in). Indian applicants should submit both hard copies (6 copies) and an electronic version (soft copy) of the proposal duly forwarded by the competent authority to **Dr. A. K. Rawat, Joint Director, Department of Biotechnology, Block-2, CGO Complex, Lodhi Road, New Delhi - 110 003, (E-mail: akrawat@dbt.nic.in)** latest by **31st July, 2013**. Other details regarding the proforma may be seen at **www.dbtindia.nic.in**.