

Joint DBT, Govt. of India and Ministry of Science and Technology, Socialist Republic of Vietnam call for collaborative proposals to support Medical, Environmental and Agricultural Biotechnology (including Animal and 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 duration.

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 area of Medical, Environmental and Agricultural Biotechnology.

1. Applicants:

The programme is open to Indian and Vietnamese researchers regularly employed in Indian or Vietnamese public funded institutions that perform R&D activities. This includes universities/ academic institutions and research institutions. Industrial involvement in the collaborative projects is also encouraged. All applicants must fulfill eligibility rules applied by each funding agency. For more information on specific requirements, contact the respective funding agency.

2. Priority Research Areas:

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

- 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.

3. Financial support:

The financial support for each component of the project will be supported by respective funding agency viz. Indian component will be supported by DBT and Vietnamese component by MOST, S R of Vietnam. Each host institution is expected to extend basic facilities for implementing collaborative project.

The funding agencies of the respective countries reserve the right to withdraw applications that do not fit the scientific scope of the call.

4. Exchange visits:

The collaborative project will also have exchange visits of the scientists/researchers involved in project work. The sending party will covers all expenses (provide round trip economy-excursion class airfare to the relevant entry city of the host country as well as medical insurance, meals, lodging expenses, per diem for the visitors). Host institutions must be informed in advance of planned visit in accordance with their specific regulations. The expenditure of exchange visits will be proposed under travel head of respective component.

5. Peer review:

The DBT and MOST, Socialist Republic of Vietnam will formulate a Joint Working Group comprising experts from both the countries for recommendations of new projects and also for review of ongoing and completed projects.

6. Intellectual property rights (IPR):

Any IPR arising from cooperative activities under this joint call shall be regulated in accordance with the relevant laws of two countries. All disputes, if any, shall be amicably solved by consultation or by negotiation between the participants in each specific case of collaborative project. If necessary, funding agency of respective country would be involved.

7. Time table:

Dead line for submission of full proposal, duly forwarded by executive authorities of respective component to respective funding agency is July 31, 2013.

8. Proforma for submission of collaborative project:

Proforma for submission of collaborative project can be downloaded from DBT website (www.dbtindia.nic.in). Indian applicants will submit six copies of collaborative proposal duly signed by Vietnamese counterpart and executive authorities. The Indian applicant will also ensure that application with same title has been submitted by his/ her Vietnamese counterpart to MOST, Govt. of Socialist Republic of Vietnam by due date. No hard copies of proposal from Vietnam will be accepted in India and vice-versa.

9. Submission of progress/ final report:

A combined progress report will be submitted annually by the collaborative partners which will be reviewed by the Joint Working Group comprising experts from both the countries. The financial reports will be submitted to the respective funding agency only. After completion of the project, the final report will also be reviewed by the Joint Working Group. A copy each of completion report will be submitted to the respective agencies as per the format provided.

10. Contact information:

A. DBT, Govt. of India:

1. Mr. S. Raghavan,
Joint Secretary,
Department of Biotechnology,
Block No. -2, C. G. O. Complex,
Lodhi Road, New Delhi-110003
Ph. 011-24362982 (O)
Email : raghavan.s@nic.in
2. Dr. A. K. Rawat,
Joint Director,

Department of Biotechnology,
Block No. -2, C. G. O. Complex,
Lodhi Road, New Delhi-110003
Ph. 011-24363656 (O)
Email : akrawat@dbt.nic.in

B. MOST, Socialist Republic of Vietnam:

1. Dr Le Minh Sat
Vice Director
Department of Science and Technology
Ministry of Science and Technology (MOST),
113 Tran Duy Hung, Cau Giay, Hanoi, Vietnam,
Ph. 00843913364297
Email: imsat@most.gov.vn; leminhsat@hotmail.com;
2. Mr Pham Hoang Ha
Principal Officer
Department of International Cooperation Department
Ministry of Science and Technology (MOST)
113 Tran Duy Hung, Cau Giay, Hanoi, Vietnam,
Tel: 0084987552279
Email: paha@most.gov.vn;

PROFORMA FOR SUBMISSION OF COLLABORATIVE PROPOSAL UNDER INDO – VIETNAM JOINT CALL FOR PROPOSAL

1. Name of the Institute/University/Organisation submitting the Project Proposal :

- A. India
 - a. Full address
 - b. Status of the Institute
- B. Socialist Republic of Vietnam
 - a. Full address
 - b. Status of the Institute

2. Project Title :

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3. Duration : Years..... Months

4. Total Cost

- A. Indian component (in Rupees)
- B. Vietnamese component (in Dong)

5. Name and full address of Project Coordinator :

- A. Indian component:
- B. Vietnamese component:

6. Scope of application indicating anticipated product and processes

7. Project Summary (Not to exceed one page. Please use separate sheet).

8. Particulars of investigators (*One or more co-investigators are preferred from each component*):

A. Indian component:

Principal Investigator:

Name:.....

Date of Birth: Sex (M/F):

Designation:.....

Department:.....

Institute/University:.....

Address:.....

.....PIN:.....

Telephone: Fax:.....E-mail:.....

Co-Investigator/ investigators

Name:.....
Date of Birth: Sex (M/F):
Designation:.....
Department:.....
Institute/University:.....
Address:.....
..... PIN:.....
Telephone: Fax:..... E-mail:.....

B. Vietnamese component:

Principal Investigator:

Name:.....
Date of Birth: Sex (M/F):
Designation:.....
Department:.....
Institute/University:.....
Address:.....
..... PIN:.....
Telephone: Fax:..... E-mail:.....

Co-Investigator/ investigators

Name:.....
Date of Birth: Sex (M/F):
Designation:.....
Department:.....
Institute/University:.....
Address:.....
..... PIN:.....
Telephone: Fax:..... E-mail:.....

9. Technical details of project (Under the following heads on separate sheets)

9.1. Introduction (not to exceed 2 pages or 1000 words)

- i. Origin of the proposal
- ii. (a) Rationale of the study supported by cited literature (b) Hypothesis (c) Key questions.
- iii. Current status of research and development in the subject (both international and national status)
- iv. The relevance and expected outcome of the proposed study
- v. Preliminary work done so far

10. Specific objectives (separately for each component)

A. Indian component

A. Vietnamese Indian component

11. Work Plan: should not exceed 3-4 pages (the section can be divided according to the specific aims and under each specific aim, the following should be stated clearly as sub headings)

11.1 Work plan (methodology/experimental design to accomplish the stated aim)

A. Indian component :

A. Vietnamese component :

11.2 Connectivity of the participating institutions and investigators

(in case of multi- institutional projects only)

11.3 Alternate strategies (if the proposed experimental design or method does not work what is the alternate strategy)

12. Timelines: (Separately for Indian and Vietnamese component, provide quantifiable outputs)

Period of study	Achievable targets
6 Months	
12 Months	
18 Months	
24 Months	
30 Months	
36 Months	

13. Name and address of 5 experts(Indian/Vietnam) in the field

Sr.No.	Name	Designation	Address

**14. BUDGET PARTICULARS (separately for Indian and Vietnamese component)
Budget (In Rupees/ Dong)**

A. Non-Recurring (e.g. equipments, accessories, etc.)

S. No.	Item	Year 1	Year 2	Year 3	Total

Sub-Total (A)

B. Recurring

B.1 Manpower (See guidelines at Annexure-III)

S. No.	Position No.	Consolidated Emolument	Year 1	Year 2	Year 3	Total

Sub-Total (B.1) =

B.2 Consumables

S. No.	Item	Quantity	Year 1	Year 2	Year 3	Total

Sub-Total (B.2) =

Other items	Consolidated Emolument	Year 1	Year 2	Year 3	Total
B.3 Travel (including international travel and local hospitality for Indian/ Vietnamese researchers)					
B.4 Contingency					
B.5 Overhead (If applicable)					1
Sub-total of B (B.1+B.2+B.3+B.4+B.5)					
Grand Total (A + B)					

Note : Please give justification for each head and sub-head separately mentioned in the above table.

Financial Year : April - March

DECLARATION/CERTIFICATION

It is certified that

- a) the research work proposed in the collaborative project does not in any way duplicate the work already done or being carried out elsewhere on the subject.
- b) the same collaborative project proposal has not been submitted to any other agency for financial support.
- c) the emoluments for the manpower proposed are as per the norms of respective funding agency.
- d) necessary provision for the collaborative project will be made in the budget of respective funding agency.
- e) if the collaborative project involves the utilisation of genetically engineered organisms, we declare that while conducting experiments, the guidelines of the respective Govt./ funding agency would be followed in toto.
- f) if the project involves field trials/experiments/exchange of specimens, etc. we will ensure that ethical clearances would be taken from concerned authorities of respective Government.
- g) the Institute assumes to undertake the financial and other management responsibilities of the project.

A. Signature: Indian component

Signature of Project Coordinator
Date :

Signature of Executive Authority
of Institute/University with seal
Date :

Signature of Principal Investigator :
Date :

Signature of Co-Investigator
Date :

Signature of Co-Investigator
Date :

B. Signature: Vietnamese component

Signature of Project Coordinator
Date :

Signature of Executive Authority
of Institute/University with seal
Date :

Signature of Principal Investigator:
Date :

Signature of Co-Investigator
Date :

Signature of Co-Investigator
Date :

PROFORMA FOR BIOGRAPHICAL SKETCH OF COORDINATOR/ INVESTIGATORS

(Provide the following information for the key personnel in the order listed on PART II. Follow this format for each person. **DO NOT EXCEED THREE PAGES**)

Name :

Designation :

Department/Institute/University :
.....

Date of Birth : Sex (M/F) SC/ST:.....

Education (Post-Graduation onwards & Professional Career)

Sl No.	Institution Place	Degree Awarded	Year	Field of Study

A. Position and Honors

Position and Employment (Starting with the most recent employment)

Sl No.	Institution Place	Position	From (Date)	To (date)

Honors/Awards

Professional Experience and Training relevant to the Project

B. Publications (Numbers only)

Books : Research Papers, Reports :General articles
.....

Patents :Others (Please specify)
.....

Selected peer-reviewed publications (Ten best publications in chronological order)

List maximum of five recent publications relevant to the proposed area of work.

A. Research Support

Ongoing Research Projects

Sl No.	Title of Project	Funding Agency	Amount	Date of sanction and Duration

Completed Research Projects (State only major projects of last 3 years)

SI No.	Title of Project	Funding Agency	Amount	Date of completion

Place : **Signature of Investigator**

Date :

Format for submission of inputs for annual progress report

1. Title of project
2. Project Investigators and their address
3. Date of sanction and approved duration
4. Date of completion of the project
5. Total approved cost and budget released so far
6. Approved objectives (Separately for each component)
7. Progress made against targets including methodologies used, discussion etc.
(Separately for each component)
8. Results (including suitable photographs, diagram etc., separately for each component)
9. Summary (in approx. 150-200 words as running material) and achievements
10. Publications from project work, if any
11. Financial progress viz. equipments purchased, manpower in position etc. (to be submitted to respective funding agency)

Format for submission of final report of completed project

- 1 Title
- 2 Project Investigators and address
- 3 Date of sanction
- 4 Date of completion
- 5 Approved cost
- 6 Budget released
- 7 Objectives (Separately for each component)
- 8 Progress made against targets including methodologies, discussions, etc. (Separately for each component)
- 9 Results (including suitable photographs, diagram etc., separately for each component)
- 10 Summary (in approx. 150-200 words as running material) and achievements
- 11 Publications, patent, technologies developed etc. from project work
- 12 Financial progress. Viz. equipment purchased, manpower, copies of UCs/SEs of various financial year, etc