

**PROFORMA FOR SUBMISSION OF PROJECTS UNDER BIOTECHNOLOGY-BASED
PROGRAMMES FOR RURAL DEVELOPMENT**

**Guidelines for Formulation of Proposals for Consideration under Biotechnology-Based
programmes For Rural Development and weaker sections**

1. The proposal should be specifically aimed at welfare of Rural Development using biotechnological processes/techniques.
2. The proposal/project should focus on field demonstration/extension oriented activities with little R&D component wherever needed.
3. The project should clearly bring out how it will benefit the target population.
4. In view of its extension-oriented programme, sophisticated and costly equipment would not be provided. Marginal support would be provided for creating small infrastructure/equipment, if it is absolutely essential.
5. Site for project implementation, as far as possible, should be in the vicinity of the targeted population.
6. The technology or extension programme should be selected taking into consideration local resources.
7. The project should not lead to environmental degradation or ecological imbalance. Assessment in this regard must be submitted along with the project proposal.
8. The project should be employment/revenue generating and not job displacing.

Proforma for Submission of Projects under
Biotechnology-based Programmes for Rural Development
(To be filled by the applicant)

PART I : GENERAL INFORMATION

1. Project Title _____
2. Priority Area (As per the list of *priority areas given below): _____
3. Duration : _____ Years _____ Months _____
4. Total Project Cost : Rs. _____ Lakhs
5. Project Summary (attach separate sheet)
6. Keywords _____

PART II : INVESTIGATOR PROFILE

7. Principal Investigator
Name _____
Date of birth _____ Sex (M/F) _____
Name of Organization _____
Address _____

Pin _____
Telephone _____ Telex _____ Mobile _____ Fax _____
E-mail _____

8. Co-Investigator

- Name _____
Date of birth _____ Sex (M/F) _____
Name of Organization _____
Address _____

Pin _____
Telephone _____ Telex _____ Mobile _____ Fax _____
E-mail _____

PART III : TECHNICAL DETAILS OF PROJECT

9. Introduction (under the following heads on separate sheets)
 - a) Details of Rural Population
 - b) Details of the project focusing on bioprospecting/ field demonstration/extension oriented activities with little R&D component, if essential.
 - c) Details indicating how the project will benefit the target population (PI need to clearly specify the quantitative criteria like monetary benefit, improvement in knowledge, attitude and practice, quality of life etc.).
 - d) Objectives (covering description of the problem and its solution).

- e) Details of the project implementation site (as far as possible should be in the vicinity of the targeted population.
- f) Expertise available with proposed organization for implementing project.
- g) Infrastructure available including equipments at PI's Organisation.

10. Work Plan (under the following heads on separate sheets)

- a) Methodology
- b) Organisation of work elements
- c) Time schedule of activities giving milestones.

S.No	Name of Milestone	Expected Start (Month/Year)	Expected Completion (Month/Year)

- 11 Details of the involvement of rural youth so that technology transfer could be done effectively (enclose the list of villages & beneficiaries - rural only).
- 12. Details of raw materials/local resources needed in the project and/or available.
- 13. Justification for implementation of the project with full details as to how the target population will be involved.
- 14. Indicate whether the project will help in maintaining environmental/ecological balances.
- 15. Details of employment/revenue generation through the project in long term/development of entrepreneurship (indicate the additional income per annum through this project per eneficiary/family).
- 16. Techno-economic viability of the project and its self-sustainability.
- 17. Linkages with R&D institutions in case of NGOs , if any.

PART IV : BUDGET ESTIMATE . SUMMARY

(In Rupees)

Items	Budget			
	Year 1	Year 2	Year 3	Total
A. Non-Recurring :				
(1) Equipment				
(2) Plant & Machinery				
Sub-Total (A)				
B. Recurring :				
(1) Consumables				
(2) Training (including demonstration)				
(3)Travel				
(4) Other Costs/ Contingencies				
(5) Human Resource				
(6) Institutional				
Overhead Charges				
Sub-Total (B)				
Grand Total (A + B)				

Note : In case PIs are from different institutions, separate budget requirements should be furnished.

BUDGET : DETAILS

18. Permanent Equipment

S.No	Generic name of equipment and accessories	Model	Imported/ Indigenous	Estimated Cost*
Total				

Justification for (18)

19. Consumable Materials

Items	Year 1	Year 2	Year 3	Total

Justification for (19)

20. Travel

Items	Year 1	Year 2	Year 3	Total

Justification for (20)

*includes installation charges, inland transport, etc.

21. Other Costs/Contingencies

Items	Year 1	Year 2	Year 3	Total
Contingencies				
*Others				

Justification for (21)

22. Salaries/Wages (Human Resources); Including Consultants

Designation with Pay Scale	No. of Persons	Year 1	Year 2	Year 3	Total

Justification for the staff in terms of work content/expertise required.

23. Facilities available with the PI/Organisation/Institution pertaining to the project

***includes any special facilities required.**

PART V: DECLARATION/CERTIFICATION

It is certified that

- (a) The same project has not been submitted to any other agency/agencies for financial support/or already not completed with the financial support from other funding agencies.
- (b) The scale of pay, allowances, etc. proposed are those admissible to persons of corresponding status employed in the Institute/University/NGO/Voluntary Organisation, and are in accordance with the guidelines on emoluments for research personnel accorded by DBT (West Bengal).
- (c) The Co-investigator will assume the responsibility of the project in case PI leaves the Institute/Organisation.

**Signature of Head/Executive Authority of Organisation/ Institute/
NGO with Seal
Date:**

Signature of Principal Investigator

Date:

Signature of Co-Investigator

Date:

Signature of Co-Investigator

Date:

PART VI: PROFORMA FOR BIODATA OF INVESTIGATORS

26. Name _____
 Designation _____
 Organization _____
 Address _____
 Pin _____
 Telephone _____ Telex _____
 Fax _____ E-mail _____
 Date of Birth _____ Sex _____
 RURAL _____

Education & Professional Career

Sl No	Institution	Degree Awarded	Year

Note : Principal Investigator and Co-Investigators should provide their bio-data in this format.

29. List of other ongoing projects/ programmes aiming at rural upliftment/ welfare

Sl. No	Title of the Project	Funding Agency	<u>Duration</u> From To	No. of Scientists / Associates working under the project	Total approved cost (in Lakhs)

Place:

Date:

Signature of the Investigator

Guidelines for organizations for submitting the proposal to DBT:

1. Availability of basic infrastructure viz. demonstration farm, training facility office infrastructure and essential laboratory facility including minimum equipment for undertaking training and demonstration activities.
2. In house expertise in the area with the organization having evidence of project implementation experience with the project investigator and the list of the projects supported by Govt. agencies/ reputed organizations.
3. The submission of organizations papers are also essential:
 - a) Registration Certificate of an organization (NGO/ Trust) for not less than Three years.
 - b) By-laws and MOA.
 - c) Audited Report of the organization for the last three years indicating an average balance not less than Rs. 10.00 Lakhs as per receipt and expenditure statement.
 - d) Annual activity reports/ Annual report for the activities undertaken for last three years.
 - e) Experience pertaining to the activity of the proposal

***Priority Subject Areas for the consideration of Project Proposals**

1. AGRICULTURE & ALLIED AREAS

- 1.1 Field Crops
- 1.2 Horticulture & Plantation Crops
- 1.3 Forestry Species, Fuel Fodder, Biomass
- 1.4 Biological Control of Plant Pests, Diseases and Weeds
- 1.5 Biofertilizers
- 1.6 Medicinal and Aromatic Plants
- 1.7 Seri-Biotechnology / Sericulture
- 1.8 Biodiversity Conservation & Bioprospecting
- 1.9 Any other (Please specify)

2. ENVIRONMENT

- 2.1 Microbial Biodiversity
- 2.2 Pollution Management
- 2.3 Bioremediation
- 2.4 Afforestation & Conservation
- 2.5 Any Other (Please specify)

3. ANIMAL SCIENCES

- 3.1 Breeding, Embryo transfer and related areas
- 3.2 Zoonotic diseases
- 3.3 Feed and Nutrition
- 3.4 Any Other (*Please specify*)

4. AQUACULTURE

- 4.1 Breeding & Genetic Enhancement
- 4.2 Feed, nutrition, probiotics
- 4.3 Culture/hatchery technologies in new and non-traditional species
- 4.4 Frontline Demonstration, Rural development
- 4.5 Any Other (Please specify)

5. MARINE SCIENCES

- 5.1 Marine species other than Fish
- 5.2 Marine Microbiology/ flora & fauna
- 5.3 Any other(Please specify)

6. INDUSTRIAL APPLICATIONS

- 6.1 Microbiology/ Strain Improvement
- 6.2 Industrial Products/ Bio-Process Optimisation & scale-up
- 6.3 Biogeo-technology/Biodegradation/Bio-leaching
- 6.4 Any Other (Please specify)

7. FOOD SCIENCES

- 7.1 Food Processing/ Packaging/ Preservation etc.
- 7.2 Food Additives /Ingredients
- 7.3 Food-borne diseases/ Diagnostics
- 7.4 Quality Control/Assay Systems
- 7.5 Food Safety
- 7.6 Any other(Please specify)