

**PROFORMA FOR SUBMISSION OF PROJECTS UNDER  
BIOTECHNOLOGY-BASED PROGRAMMES FOR SC/ST  
POPULATION**

**Guidelines for Formulation of R&D Proposals for Consideration  
under Biotechnology-Based programmes For SC/ST Population  
and weaker sections**

1. The proposal should be specifically aimed at welfare of SC/ST population and weaker sections using biotechnological processes/techniques and should give information of the target population (according to 1991 census).
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 and should not be concentrated at the PI's Institute.
6. The efforts should be mainly for the direct involvement of SC/ST youths in the project so that technology transfer could be done effectively.
7. The technology or extension programme should be selected taking into consideration local resources.
8. Attention should be paid to increase income generation in addition to their present occupation.
9. The project should not lead to environmental degradation or ecological imbalance. Assessment in this regard must be submitted along with the project proposal.
10. The project should be employment/revenue generating and not job displacing.
11. Terms and conditions of the grant may be seen at Annexure-IV.

**Proforma for Submission of Projects under  
Biotechnology-based Programmes for SC/ST Population and  
Weaker Sections**

(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 \_\_\_\_\_

Biotechnology-based programmes for consideration in the following  
Priority Areas :

- (i) Biofertilizers
- (ii) Biopesticides
- (iii) Sericulture
- (iv) Aquaculture
- (v) Mushroom cultivation
- (vi) Spirulina production
- (vii) Vermi composting
- (viii) Floriculture
- (ix) Animal husbandry
- (x) Cultivation of medicinal and other economically important plants, using biotechnology approaches
- (xi) Waste utilisation (like agro-residue, animal residue, trash fishes, etc.) and biogas production using biotechnology
- (xii) Utilization of marine resources using biotechnology (cultivation of seaweeds, etc.)
- (xiii) Value added products from forest produce through biotechnology.
- (xiv) Formulation of herbal products
- (xv) Any other (Please specify)

## PART II : INVESTIGATOR PROFILE

7. Principal Investigator

Name \_\_\_\_\_  
Date of birth \_\_\_\_\_ Sex (M/F) \_\_\_\_\_  
Whether SC/ST \_\_\_\_\_  
Designation \_\_\_\_\_  
Department \_\_\_\_\_  
Institute/University \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Pin \_\_\_\_\_  
Telephone \_\_\_\_\_ Telex \_\_\_\_\_ Fax \_\_\_\_\_  
E-mail \_\_\_\_\_

8. **Co-Investigator**

Name \_\_\_\_\_  
Date of birth \_\_\_\_\_ Sex (M/F) \_\_\_\_\_  
Whether SC/ST \_\_\_\_\_  
Designation \_\_\_\_\_  
Department \_\_\_\_\_  
Institute/University \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Pin \_\_\_\_\_  
Telephone \_\_\_\_\_ Telex \_\_\_\_\_ Fax \_\_\_\_\_  
E-mail \_\_\_\_\_

9. **Co-Investigator**

Name \_\_\_\_\_  
\_\_\_\_\_  
Date of birth \_\_\_\_\_ Sex (M/F) \_\_\_\_\_  
Whether SC/ST \_\_\_\_\_  
Designation \_\_\_\_\_  
Department \_\_\_\_\_  
Institute/University \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Pin \_\_\_\_\_  
Telephone \_\_\_\_\_ Telex \_\_\_\_\_ Fax \_\_\_\_\_  
E-mail \_\_\_\_\_

### PART III : TECHNICAL DETAILS OF PROJECT

10. Introduction (under the following heads on separate sheets)
  - (a) Details of SC/ST population/weaker section in the area (according to 1991 census).
  - (b) Details of the project focussing on field demonstration/extension oriented activities with little R&D component, if needed.
  - (c) Details indicating how the project will benefit the target population.
  - (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 and should not be concentrated at PI's Institute).
  - (f) Expertise available with proposed investigating group/institution for implementing project.
  - (g) Infrastructure available including equipments at PI's Organisation.
11. 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)
1.			
2.			
3.			
4.			

12. Details of the involvement of SC/ST youth and/or weaker section in the project along with training component so that technology transfer could be done effectively (enclose the list of villages & beneficiaries - SC/ST only).
13. Details of raw materials/local resources needed in the project and/or available.

14. Justification for implementation of the project with full details as to how the target population will be involved.
15. Indicate whether the project will help in maintaining environmental/ecological balances.
16. Details of employment/revenue generation through the project in long term/development of entrepreneurship (indicate the additional income per annum through this project per beneficiary/family).
17. Techno-economic viability of the project and its self-sustainability.
18. Project implementing agency/agencies:

Name of Agency	Address of Agency	Proposed Amount	Cost Sharing %

19. 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) Travel				

(3) Other Costs/Contingencies				
(4) Human Resource				
(5) 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

#### 20. Permanent Equipment

S.No	Generic name of equipment and accessories	Model	Imported/Indigenous	Estimated Cost*
1.				
2.				
Total :				

Justification for (20)

#### 21. Consumable Materials

Item	Year 1	Year 2	Year 3	Total

Justification for (21)

22. Travel

Item	Year 1	Year 2	Year 3	Total

Justification for (22)

\*includes installation charges, inland transport, etc.

23. Other Costs/Contingencies

Item	Year 1	Year 2	Year 3	Total
Contingencies				
*Others				

Justification for (23)

24. Salaries/Wages (Human Resource)

Designation with Pay Scale	No. of Persons	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Total							

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

25. 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 as contained in Annexure - III.
- (c) it is agreed by us that any research outcome or intellectual property right(s) on the invention(s) arising out of the project shall be taken in accordance with the instructions issued with the approval of the Ministry of Finance, Department of Expenditure, as contained in Annexure-V.
- (d) 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/  
University/ 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 \_\_\_\_\_  
Department \_\_\_\_\_  
Institute \_\_\_\_\_  
Address \_\_\_\_\_  
Pin \_\_\_\_\_  
Telephone \_\_\_\_\_ Telex \_\_\_\_\_  
Fax \_\_\_\_\_ E-mail \_\_\_\_\_  
Date of Birth \_\_\_\_\_ Sex \_\_\_\_\_  
SC/ST \_\_\_\_\_  
Education (Post-graduation onwards) & Professional Career

Sl No.	University/ Institution	Degree Awarded	Year	Award/ Prize/ Certificate
1.				
2.				
3.				
4.				

27. Research experience in various institutions (if necessary, attach separate sheets).

28. Publications (number only)  
 Books  
 Research Paper/ Reports  
 General Articles  
 Patents  
 Others (Please specify)

**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	Duration From To	No. of Scientists / Associates working under the project	Total approved cost of the project (in Lakhs)

Place :

Date :

Signature of the Investigator