



RPF I

## PROFORMA FOR SUBMISSION OF ANNUAL PROGRESS REPORT OF RESEARCH PROJECTS

### Part-I: General Information

- 200 Project Code : CI 8.25  
2001 Institute Code No. :  
2002 ICAR Code no. :
- 201 Name of Institute and Division :  
2011 Name & Address of Institute : IGFRI, Jhansi-284003  
2012 Name of Division/Section : Crop Improvement Division  
2013 Location of Project : Jhansi

Project Title: CI: Management of nematodes and fungal pathogens associated with root rot complex of Cowpea.

- 203 Priority Area:  
2031 Research Approach. :

Applied res.	Basic Res.	Process/Technology Development	Transfer of Technology
01	02	03	04

### APPLIED & BASIC RESEARCH

- 204 Specific Area: *Pest Management*
- 205 Duration  
2051 Date of start : 2011
- 2052 Likely date of completion: 2014
- 206 Total cost of the Project:
- 2061 Foreign Exchange component (if any): NIL
- 207 Project profile summary:
- 208 Key words: *Nematodes, Fungi, Root Rot complex, Cowpea.*

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## Part - II: Investigator Profile

### 210 Principal Investigator:

2101 Name : M.I. AZMI  
2102 Designation : Pr. Scientist  
2103 Division : Crop Improvement Division  
2104 Location : Jhansi  
2105 Institute : IGFRI, Jhansi - 284003

### 211 Co-investigator:

2111 Name : R.B. Bhaskar  
2112 Designation : Sr. Scientist  
2113 Division : Crop Improvement Division  
2114 Location : Jhansi  
2115 Institute : IGFRI, Jhansi - 284003

### 212 Co- investigator:

2121 Name :  
2122 Designation :  
2123 Division :  
2124 Location :  
2125 Institute :

## Part - III: Technical Details

### 220 Introduction and objectives:

2201 Origin of the project: (Problem identification) Cowpea is an important crop and suffers serious incidences of root rot caused by *Rizoctonia sp.* association of nematodes enhances the disease severity (Powell, 1971). therefore management of fungal pathogens and nematodes together is at most required. In the present project proposal similar has been proposed.

**2202 Definition of the project:** The present project is proposed to evolve safe and eco-friendly sound management practices for the root-rot nematode disease complex in Cowpea.

**2203 Immediate objectives:**

- To develop eco-friendly management for root rot nematode complex in cowpea.
- To evaluate botanicals for management root rot nematode complex of cowpea caused by nematode and fungi.

**2204 Long term objectives:** Annexure I

**2205 View of status of research in the subject:**

**International status:**

Annexure I

**National status:**

Annexure I

**221 Project Technical Profile:**

**2211 Organization of work element (for each objective and participating investigator giving man-months involved)**

✓ **2212: Methodology:**

- Conduction of experiment.
- Nematode estimation.
- Disease incidence scoring.
- Processing of data.

**2213: Plan of action:**

All the activities will be continued for three years.

Part V: DECLARATION

This is to certify that:

The research work proposed in the scheme/project does not in any way duplicate the work already done or being carried out in the institute project.

The same project has been / has not been submitted to any other agency for financial support

The investigator/co-investigator has been fully consulted in the development of project and has fully undertaken the responsibility to carry out the programmed as per the technical programme.

1. Signature of the Project Investigator:

(M.I. Azmi)

*M.I. Azmi*  
15/12/11

2. Signature of the Co-investigators:

(R.B. Bhaskar)

*R.B. Bhaskar*  
15/12/11

Signature & Comments of the Head of the Division /section

*P* *hvj*  
19/12/11

Signature & Comments of the Director

*S. Ganesh*  
27/12/11