



Results-Framework Document (RFD)

for

Indian Agricultural Statistics Research Institute

(2013-2014)

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SECTION 1:

Vision, Mission, Objectives and Functions

Vision

Statistics and Informatics for enriching the quality of Agricultural Research.

Mission

To undertake research, education and training in Agricultural Statistics, Computer Application and Bioinformatics for Agricultural Research.

Objectives

1. To develop statistical methodologies for improving the quality of agricultural research
2. To develop informatics for enhancing efficiency of the system
3. To develop globally competitive human resources

Functions

1. Undertaking basic, applied, adaptive, strategic and anticipatory research in Agricultural Statistics
2. Developing Agricultural Knowledge Management and Information System for National Agricultural Research System
3. Conducting PG teaching and in-service, customized and sponsored training courses in Agricultural Statistics, Computer Applications and Bioinformatics at National and International level
4. Providing advisory and consultancy services for strengthening the National Agricultural Research System
5. Providing methodological support in strengthening National Agricultural Statistical System

SECTION 2:
Inter se Priorities among key Objectives, Success Indicators and Targets

| Sl. No. | Objectives | Weight | Actions | Success Indicators | Unit | Weight | Target/Criteria Value | | | | |
|---------|---|--------|--|--|--------|--------|-----------------------|-----------|------|------|------|
| | | | | | | | Excellent | Very Good | Good | Fair | Poor |
| | | | | | | | 100% | 90% | 80% | 70% | 60% |
| 1. | To develop statistical methodologies for improving the quality of agricultural research | 50 | Development of efficient statistical techniques | Methodologies developed for design of experiments/ forecasting/sample surveys/statistical genetics/bio-informatics | Number | 40 | 9 | 8 | 6 | 4 | 2 |
| | | | Statistical and computational support for agricultural research | Tools and techniques provided/AICRP/ Network project supported | Number | 10 | 5 | 4 | 3 | 2 | 1 |
| 2. | To develop informatics for enhancing efficiency of the system | 10 | Development of Information System/Decision Support System/Expert System/Software | Information System/Decision Support System/ Software deployed | Number | 10 | 2 | 1 | 0 | 0 | 0 |
| 3. | To develop globally | 29 | Conducting M.Sc. and Ph.D. programmes | Students obtaining degrees | Number | 15 | 17 | 16 | 14 | 12 | 10 |

| | | | | | | | | | | | |
|--|--|----|---|--|--------|----|----------|----------|----------|----------|----------|
| | competitive human resources | | Organization of ICAR and customized sponsored national/ international training programmes | Training programmes conducted | Number | 14 | 12 | 11 | 9 | 7 | 5 |
| | Efficient functioning of the RFD system | 03 | Timely submission of Draft RFD (2013-14) for approval | On-time submission | Date | 02 | 15/05/13 | 16/05/13 | 17/05/13 | 20/05/13 | 21/05/13 |
| | | | Timely submission of results for RFD (2012-13) | On-time submission | Date | 01 | 01/05/13 | 02/05/13 | 05/05/13 | 06/05/13 | 07/05/13 |
| | Administrative reforms | 04 | Implement ISO 9001 as per the approved action plan | % Implementation | % | 02 | 100 | 95 | 90 | 85 | 80 |
| | | | Prepare an action plan for Innovation | On-time submission | Date | 02 | 30/07/13 | 10/08/13 | 20/08/13 | 30/08/13 | 10/09/13 |
| | Improving internal efficiency / responsiveness / service delivery of Ministry / Department | 04 | Implementation of Sevottam | Independent Audit of implementation of Citizen's Charter | % | 02 | 100 | 95 | 90 | 85 | 80 |
| | | | | Independent Audit of implementation of public grievance redressal system | % | 02 | 100 | 95 | 90 | 85 | 80 |

SECTION 3:
Trend Values of the Success Indicators

| Sl. No. | Objectives | Actions | Success Indicators | Unit | Actual value for FY 11/12 | Actual value for FY 12/13 | Target value for FY 13/14 | Projected value for FY 14/15 | Projected value for FY 15/16 |
|---------|---|---|--|--------|---------------------------|---------------------------|---------------------------|------------------------------|------------------------------|
| 1. | To develop statistical methodologies for improving the quality of agricultural research | Development of efficient statistical techniques | Methodologies developed for design of experiments/ forecasting/sample surveys/statistical genetics/bio-informatics | Number | 9 | 8 | 8 | 9 | 9 |
| | | Statistical and computational support for agricultural research | Tools and techniques provided/AICRP/ Network project supported | Number | 2 | 5 | 4 | 4 | 4 |
| 2. | To develop informatics for enhancing efficiency of the system | Development of Information System/Decision Support System/Expert System/Software | Information System/Decision Support System/ Software deployed | Number | 1 | 2 | 1 | 1 | 1 |
| 3. | To develop globally competitive human resources | Conducting M.Sc. and Ph.D. programmes | Students obtaining degrees | Number | 17 | 15 | 16 | 17 | 17 |
| | | Organization of ICAR and customized sponsored national/ international training programmes | Training programmes conducted | Number | 10 | 13 | 11 | 11 | 11 |

| | | | | | | | | | |
|--|--|---|--|------|---|---|----------|---|---|
| | Efficient functioning of the RFD system | Timely submission of Draft RFD (2013-14) for approval | On-time submission | Date | - | - | 16/05/13 | - | - |
| | | Timely submission of results for RFD (2012-13) | On-time submission | Date | - | - | 02/05/13 | - | - |
| | Administrative reforms | Implement ISO 9001 as per the approved action plan | % Implementation | % | - | - | 95 | - | - |
| | | Prepare an action plan for Innovation | On-time submission | Date | - | - | 10/08/13 | - | - |
| | Improving internal efficiency / responsiveness / service delivery of Ministry / Department | Implementation of Sevottam | Independent Audit of implementation of Citizen's Charter | % | - | - | 95 | - | - |
| | | | Independent Audit of implementation of public grievance redressal system | % | - | - | 95 | - | - |

SECTION 4: Acronym

| Sl. No. | Acronym | Description |
|----------------|----------------|--|
| 1. | PG | Post Graduate |
| 2. | AICRP | All India Coordinated Research Project |
| 3. | AICRPs | All India Coordinated Research Projects |
| 4. | M. Sc. | Master of Science |
| 5. | Ph. D. | Doctor of Philosophy |
| 6. | ICAR | Indian Council of Agricultural Research |
| 7. | SAUs | State Agricultural Universities |
| 8. | MoSPI | Ministry of Statistics and Programme Implementation |
| 9. | DoAC | Department of Agriculture and Cooperation |
| 10. | DADF | Department of Animal Husbandry, Dairying and Fisheries |

SECTION 4: Description and Definition of Success Indicators and Proposed Measurement Methodology

| Sl. No. | Success indicator | Description | Definition | Measurement | General Comments |
|---------|--|---|---|---|------------------|
| 1. | Methodologies developed for design of experiments/ forecasting/sample surveys/statistical genetics/bio-informatics | Development of methodologies for design of experiments/ forecasting/sample surveys/statistical genetics/bio-informatics | Research work for development of methodologies | Number of methodologies developed | Nil |
| 2. | Tools and techniques provided/AICRP/ Network project supported | Development of tools and techniques in statistical and computational support for agricultural research | Research and development of tools and techniques | Number of tools and techniques developed | Nil |
| 3. | Information System/Decision Support System/ Software deployed | Development of Information System/Decision Support System/ Software deployed | Research and development of Information System/Decision Support System/ Software | Number of Information System/Decision Support System/ Software deployed | Nil |
| 4. | Students obtaining degrees | Teaching of various courses and research guidance to M.Sc./Ph.D. students in Agricultural Statistics/Computer Applications/Bioinformatics disciplines | Human resources development by teaching of various courses and research guidance. | Number of students obtaining degrees | Nil |
| 5. | Training programmes conducted | Conducting of training programmes | Human resources development by conducting training programmes | Number of training programmes conducted | Nil |

SECTION 5:
Specific Performance Requirements from other Departments

| Location Type | State | Organisation Type | Organisation Name | Relevant Success Indicator | What is your requirement from this Organisation | Justification for this requirement | Please quantify your requirement from this Organisation | What happens if your requirement is not met |
|----------------------|------------------|--------------------------|--------------------------|--|--|--|--|--|
| State/Central | Concerned States | Others | Others | Methodologies developed for design of experiments/ forecasting/sample surveys/statistical genetics/bio-informatics | Financial Support | For completion of various activities of projects | May not be quantified | Progress of various research projects will be affected |

SECTION 6:
Outcome / Impact of activities of organization ministry

| Sl. No. | Outcome / Impact of Organisation | Jointly responsible for influencing this outcome / impact with the following department(s)/ ministry(ies) | Success Indicator(s) | Unit | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 |
|----------------|---|--|---|--------------|------------------|------------------|------------------|------------------|------------------|
| 1. | Enhancing efficiency through statistical/ computational tools and informatics | SAUs/AICRPs/MoSPI/ DoAC/DADF | Increase in usage of methodologies/tools and accessibility of information | % | 5 | 5 | 5 | 5 | 5 |
| | | | Research papers published | Number | 90 | 85 | 90 | 92 | 95 |
| 2. | Enhancing availability of quality human resource | SAUs, Central and State Govt. Officials | Successful completion of degree programme and employability of the students | % passed out | 94 | 80 | 87 | 88 | 90 |