



## **Results-Framework Document (RFD)**

**for**

## **ICAR-Indian Agricultural Statistics Research Institute (2014-2015)**

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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. To undertake research, education and training in agricultural statistics, computer applications and bioinformatics for agriculture research
2. To provide advisory/consultancy services/ methodological support and computational solutions to NARES/ NASS (National Agricultural Research and Education System/ National Agricultural Statistics System)

## Section 2: Inter se-priorities among key Objectives, Success Indicators and Targets

| Sl. No. | Objective(s)  | Weight | Action(s)   | Success Indicator(s)  | Unit   | Weight | Target/Criteria Value |              |              |              |              |
|---------|---|--------|---|---|--------|--------|-----------------------|--------------|--------------|--------------|--------------|
|         |   |        |   |   |        |        | Excellent             | Very Good    | Good         | Fair         | Poor         |
| 01      | To develop statistical methodologies for improving the quality of agricultural research | 45     | Development of efficient statistical techniques   | Methodologies developed for design of experiments/ forecasting/sample surveys/ statistical genetics/bio-informatics | Number | 35     | 100%                  | 90%          | 80%          | 70%          | 60%          |
|         |   |        | Statistical and computational support for agricultural research   | Tools and techniques provided   | Number | 10     | 6                     | 5            | 4            | 3            | 2            |
| 02      | To develop informatics for enhancing efficiency of the system                           | 10     | Development of Information System/ Decision Support System/ Expert System/ Software                                       | Software developed  | Number | 10     | 3                     | 2            | 1            | 0            | 0            |
| 03      | To develop globally competitive human resources   | 25     | Conducting M.Sc. and Ph.D. programmes   | Degree awarded  | Number | 13     | 17                    | 16           | 15           | 13           | 12           |
|         |   |        | Organization of training programmes   | Training programmes conducted   | Number | 12     | 12                    | 10           | 8            | 6            | 4            |
| *       | Publication/ Documentation  | 5      | Publication of the research articles in the journals having the NAAS rating of 6.0 and above                              | Research articles published   | No.    | 3      | 40                    | 35           | 30           | 25           | 20           |
|         |   |        | Timely publication of the Institute Annual Report (2013-2014)   | Annual Report published   | Date   | 2      | 30.06.2014            | 02.07.2014   | 04.07.2014   | 07.07.2014   | 09.07.2014   |
| *       | Fiscal resource management  | 2      | Utilization of released plan fund   | Plan fund utilized  | %      | 2      | 98                    | 96           | 94           | 92           | 90           |
| *       | Efficient Functioning of the RFD System   | 3      | Timely submission of Draft RFD for 2014-2015 for Approval   | On-time submission  | Date   | 2      | May 15, 2014          | May 16, 2014 | May 19, 2014 | May 20, 2014 | May 21, 2014 |
|         |   |        | Timely submission of Results for 2013-2014  | On-time submission  | Date   | 1      | May 1 2014            | May 2 2014   | May 5 2014   | May 6 2014   | May 7 2014   |
| *       | Enhanced Transparency / Improved Service delivery of Ministry/ Department               | 3      | Rating from Independent Audit of implementation of Citizens' / Clients' Charter (CCC)                                     | Degree of implementation of commitments in CCC  | %      | 2      | 100                   | 95           | 90           | 85           | 80           |
|         |   |        | Independent Audit of implementation of Grievance Redress Management (GRM) system  | Degree of success in implementing GRM   | %      | 1      | 100                   | 95           | 90           | 85           | 80           |
| *       | Administrative Reforms  | 7      | Update organizational strategy to align with revised priorities   | Date  | Date   | 2      | Nov.1 2014            | Nov.2 2014   | Nov.3 2014   | Nov.4 2014   | Nov.5 2014   |
|         |   |        | Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC) | % of implementation   | %      | 1      | 100                   | 90           | 80           | 70           | 60           |
|         |   |        | Implementation of agreed milestones for ISO 9001  | % of implementation   | %      | 2      | 100                   | 95           | 90           | 85           | 80           |
|         |   |        | Implementation of milestones of approved Innovation Action Plans (IAPs)   | % of implementation   | %      | 2      | 100                   | 90           | 80           | 70           | 60           |

## Section 3: Trend Values of the Success Indicators

| Sl. No. | Objectives  | Actions   | Success Indicators  | Unit                | Actual value for FY 12/13 | Actual value for FY 13/14 | Target value for FY 14/15   | Projected value for FY 15/16 | Projected value for FY 16/17 |
|---------|---|---|---|---------------------|---------------------------|---------------------------|-----------------------------|------------------------------|------------------------------|
| 01      | 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              | 8                         | 9                         | 8                           | 9                            | 9                            |
| 02      | To develop informatics for enhancing efficiency of the system                           | Statistical and computational support for agricultural research<br>Development of Information System/ Decision Support System/Expert System/Software  | Tools and techniques provided<br>Software developed   | Number              | 5                         | 3                         | 5                           | 2                            | 2                            |
| 03      | To develop globally competitive human resources   | Conducting M.Sc. and Ph.D. programmes<br>Organization of training programmes  | Degree awarded<br>Training programmes conducted   | Number              | 15                        | 16                        | 16                          | 17                           | 17                           |
| *       | Publication/ Documentation  | Publication of the research articles in the journals having the NAAS rating of 6.0 and above<br>Timely publication of the Institute Annual Report (2013-2014)<br>Utilization of released plan fund  | Research articles published<br>Annual Report published<br>Plan fund utilized  | Number<br>Date<br>% | 43<br>-                   | 45                        | 35<br>02.07.2014            | 35                           | 35                           |
| *       | Fiscal resource management  | Timely submission of Draft RFD for 2014-2015 for Approval   | On-time submission  | Date                | 88                        | -                         | 96                          | 96                           | 96                           |
| *       | Efficient Functioning of the RFD System   | Timely submission of Results for 2013-2014  | On-time submission  | Date                | -                         | -                         | May 16, 2014<br>May 2, 2014 | -                            | -                            |
| *       | Enhanced Transparency/ Improved Service delivery of Ministry/ Department                | Rating from Independent Audit of implementation of Citizens' / Clients' Charter (CCC)<br>Independent Audit of implementation of Grievance Redress Management (GRM) system   | Degree of implementation of commitments in CCC<br>Degree of success in implementing GRM                             | %<br>%              | -                         | -                         | 95                          | -                            | -                            |
| *       | Administrative Reforms  | Update organizational strategy to align with revised priorities<br>Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC)<br>Implementation of agreed milestones for ISO 9001<br>Implementation of milestones of approved Innovation Action Plans (IAPs) | Date<br>% of Implementation<br>% of implementation<br>% of implementation   | Date<br>%<br>%<br>% | -                         | -                         | Nov.2, 2014<br>90           | -                            | -                            |

### SECTION 4 (a) : Acronym

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

### SECTION 4 (b): Description and definition of success indicators and proposed measurement methodology

| Sl. No. | Success indicator   | Description   | Definition  | Measurement  | General Comments |
|---------|---|---|---|--|------------------|
|         | Methodologies developed for design of experiments/<br><br>forecasting/sample surveys/statistical genetics/bio-informatics | Development of methodologies for design of experiments/<br><br>forecasting/sample surveys/statistical genetics/bio-informatics                        | Research work for development of methodologies                                    | Number of methodologies developed  | Nil              |
|         | Tools and techniques provided   | 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              |
|         | Software developed  | 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              |
|         | Degree awarded  | 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              |
|         | 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 that are critical for delivering agreed results

| 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 Department/Ministry

| Sl. No. | Outcome / Impact  | Jointly responsible for influencing this outcome/ impact with the following organization(s)/ department(s)/ ministry(ies) | Success Indicator(s)  | Unit         | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | 2016-2017 |
|---------|---|---|---|--------------|-----------|-----------|-----------|-----------|-----------|
| 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       | 96        | 105       | 100       | 100       | 100       |
| 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 | 80        | 94        | 88        | 90        | 92        |