



Government of India

R F D

(Results-Framework Document)
for

Agricultural Engineering

(2013-2014)

Section 1: Vision, Mission, Objectives and Functions

Vision

Achieve higher productivity, profitability, timeliness of operations, reduction of drudgery in production and post production agriculture.

Mission

Development of technologies and processes for increased productivity, value addition to produce, reduction of losses, sustainability and profitability of agricultural production system assuring better quality of life with reduced drudgery to rural people.

Objectives

- 1 Develop/ refine tools and equipment to improve comfort, productivity, timeliness and input use efficiency in agricultural production and processing
- 2 Develop products and process protocols for post harvest management and value addition of crops, natural fibres/ resins and animal products
- 3 To develop statistical methodologies for improving the quality of agricultural research

Functions

- 1 To provide engineering inputs in all aspects of production agriculture, post harvest management and appropriate engineering interventions in livestock and fisheries sector.

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
[1] Develop/ refine tools and equipment to improve comfort, productivity, timeliness and input use efficiency in agricultural production and processing	45.00	[1.1] Develop / refine equipment for crop production & processing	[1.1.1] Equipment developed / refined	Number	30.00	21	20	18	16	14
		[1.2] Testing of commercial prototypes / technologies	[1.2.1] Commercial test report/ samples tested	Number	15.00	13	12	11	10	09
[2] Develop products and process protocols for post harvest management and value addition of crops, natural fibres/ resins and animal products	35.00	[2.1] Process protocols for product development, storage, safety and improved quality	[2.1.1] Process protocols developed	Number	15.00	14	12	10	09	08
		[2.2] Development/ refinement of products from crops, fibres, natural gums/ resins, livestock / fishes	[2.2.1] Value -added products developed	Number	15.00	16	14	12	11	10
		[2.3] Quality testing of products	[2.3.1] Product sample tested	Number	5.00	16000	15000	14000	13000	12000
[3] To develop statistical methodologies for improving the quality of agricultural research	9.00	[3.1] Development of efficient statistical techniques	[3.1.1] Methodologies developed for design of experiments/ forecasting/sample surveys/statistical genetics/bio-informatics	Number	7.00	09	08	06	04	02
		[3.2] Statistical and computational support for agricultural research	[3.2.1] Tools and techniques provided	Number	2.00	03	02	01	00	00

* Mandatory Objective(s)

Section 2: Inter se Priorities among Key Objectives, Success indicators and Targets

Objective	Weight	Action	Success Indicator	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
* Efficient Functioning of the RFD System	3.00	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date	2.0	15/05/2013	16/05/2013	17/05/2013	20/05/2013	21/05/2013
		Timely submission of Results for RFD (2012-13)	On-time submission	Date	1.0	01/05/2013	02/05/2013	05/05/2013	06/05/2013	07/05/2013
* Administrative Reforms	4.00	Implement ISO 9001 as per the approved action plan.	% Implementation	%	2.0	100	95	90	85	80
		Prepare an action plan for Innovation	On time submission	Date	2.0	30/07/2013	10/08/2013	20/08/2013	30/08/2013	10/09/2013
* Improving Internal Efficiency /responsiveness / service delivery of Ministry / Department	4.00	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2.0	100	95	90	85	80
			Independent Audit of implementation of public grievance redressal system	%	2.0	100	95	90	85	80

* Mandatory Objective(s)

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	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] Develop/ refine tools and equipment to improve comfort, productivity, timeliness and input use efficiency in agricultural production and processing	[1.1] Develop / refine equipment for crop production & processing	[1.1.1] Equipment developed / refined	Number	20	19	20	20	20
	[1.2] Testing of commercial prototypes / technologies	[1.2.1] Commercial test report/ samples tested	Number	27	12	12	14	16
[2] Develop products and process protocols for post harvest management and value addition of crops, natural fibres/ resins and animal products	[2.1] Process protocols for product development, storage, safety and improved quality	[2.1.1] Process protocols developed	Number	21	12	12	13	14
	[2.2] Development/ refinement of products from crops, fibres, natural gums/ resins, livestock / fishes	[2.2.1] Value -added products developed	Number	31	16	14	14	14
	[2.3] Quality testing of products	[2.3.1] Product sample tested	Number	16906	25718	15000	16000	16000
[3] To develop statistical methodologies for improving the quality of agricultural research	[3.1] Development of efficient statistical techniques	[3.1.1] Methodologies developed for design of experiments/ forecasting/sample surveys/statistical genetics/bio-informatics	Number	09	08	08	09	09
	[3.2] Statistical and computational support for	[3.2.1] Tools and techniques provided	Number	00	02	02	02	02

Section 3: Trend Values of the Success Indicators

Objective	Action	Success Indicator	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
	agricultural research							
* Efficient Functioning of the RFD System	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date	--	--	16/05/2013	--	--
	Timely submission of Results for RFD (2012-13)	On-time submission	Date	--	--	02/05/2013	--	--
* Administrative Reforms	Implement ISO 9001 as per the approved action plan.	% Implementation	%	--	--	95	--	--
	Prepare an action plan for Innovation	On time submission	Date	--	--	10/08/2013	--	--
* 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	--	--

* Mandatory Objective(s)

Section 4: Acronym

Sl.No	Acronym	Description
1	DoAC	Department of Agriculture and Cooperation

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

Sl.No	Success indicator	Description	Definition	Measurement	General Comments
1	[2.1.1] Process protocols developed	Methodology to carry out a process	Development of methods to complete a process	Quality of process	Nil
2	[2.2.1] Value -added products developed	Development of new products from the raw agro-produces	Development of different products from agro-produce	End-product	Nil
3	[2.3.1] Product sample tested	Type of fibre, yarn and fabric	Testing quality parameters	Length, fineness, uniformity, strength	Nil
4	[3.1.1] 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
5	[3.2.1] 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

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 Government	All States	Other	Other	Equipment developed / refined	Financial support to disseminate technology through Front-line demonstrations and Technology transfer	Technology transfer through demonstrations in farmers' field	Can not be quantified as it depends upon demand	Technology transfer will suffer

Section 6: Outcome/Impact of Department/Ministry

Outcome/Impact of Department/Ministry	Jointly responsible for influencing this outcome / impact with the following department (s) / ministry(ies)	Success Indicator	Unit	FY 11/12	FY 12/13	FY 13/14	FY 14/15	FY 15/16
1 Commercialization of agricultural equipment	Department of Agriculture and Cooperation (DOAC), Ministry of Agriculture, State Deptt. of Agriculture	Agricultural equipment adopted for commercialization	Number	02	02	03	04	05