



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

**for**

## **ICAR Research Complex for Eastern Region (2014 - 2015)**

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## **Section 1: Vision, Mission, Objectives and Functions**

### **Vision**

A broad based institutional framework to address diverse issues relating to land and water resources management, crop husbandry, horticulture, fishery, livestock and poultry, agro-processing, and socio-economic aspects in a holistic manner for enhancing research capability and providing a backstopping for improvement in agricultural productivity and sustainability in the eastern region.

### **Mission**

- Transform “Low Productivity – High Potential” eastern region into High Productivity region for food, nutritional and livelihood security in a manner that is environmentally sustainable and socially acceptable.
- Poverty alleviation, livelihood improvement and women empowerment through income generation through on-farm and off-farm job opportunities and promote network and consortia research in the eastern region

### **Objectives**

- To undertake strategic and adaptive research for efficient and integrated management of natural resources to enhance agricultural productivity and profitability.
- Human resource development and capacity building

### **Functions**

- To facilitate and promote coordination and dissemination of appropriate agricultural technologies through network/consortia approach involving ICAR institutes, state agricultural universities, and other agencies for generating location-specific agricultural production technologies through sustainable use of natural resources.
- To provide scientific leadership and act as a center for vocational as well as advanced training to promote agricultural production technologies.
- To act as repository of available information and its dissemination on all aspects of agricultural production systems in the eastern region.
- To collaborate with relevant national and international agencies in liaison with state and central government departments for technology dissemination.
- To provide need based consultancy and advisory support in promoting agriculture, horticulture, and livestock in the eastern region.
- Socio-economic evaluation and impact assessment of agricultural technologies.

**Section 2: Inter se priorities among Key Objectives, Success Indicators and Targets**

S. No.	Objectives	Weight	Action	Success indicators	Unit	Weight	Target /Criteria Value				
							Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
1	To undertake strategic and adaptive research for efficient and integrated management of natural resources to enhance agricultural productivity and profitability	60	Integrated farming system including wetland rehabilitation	IFS models developed/tested/refined	No.	20	5	4	3	2	1
			Collection, conservation and evaluation of germplasm	Germplasm of agri-horti crops, animal breed and fish species collected, conserved and evaluated	No.	20	6	5	4	3	2
			Development of production technologies for different components	Technologies developed for enhancing input use efficiencies and improving livestock & fish production	No.	20	5	4	3	2	1
2	Human resource development and capacity building	20	Transfer of technology	FLDs/OFTs conducted	No.	10	32	27	22	17	12
			Creation of awareness and knowledge	Training programmes organized	No.	10	72	60	48	36	24
*	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	30	27	24	21	18
			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

S. No.	Objectives	Actions	Success Indicators	Unit	Actual Value for FY 12/13	Actual Value for FY 13/14	Target Value for FY 14/15	Projecte d Value for FY 15/16	Projecte d Value for FY 16/17
1	To undertake strategic and adaptive research for efficient and integrated management of natural resources to enhance agricultural productivity and profitability	Integrated farming system including wetland rehabilitation	IFS models developed/ tested/ refined	No.	3	5	4	3	3
		Collection, conservation and evaluation of germplasm	Germplasm of agri-horti crops, animal breed and fish species collected, conserved and evaluated	No.	9	6	5	6	6
		Development of production technologies for different components	Technologies developed for enhancing input use efficiencys and improving livestock & fish production	No.	8	5	4	5	6
2	Human resource development and capacity building	Transfer of technology	FLDs/OFTs conducted	No.	23	25	27	30	30
		Creation of awareness and knowledge	Training programmes organized	No.	57	60	60	70	70
*	Publication/Document ation	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	No.	24	38	27	30	30
		Timely publication of the Institute Annual Report (2013-2014)	Annual Report published	Date	-	-	02.07.2014	-	-
*	Fiscal resource management	Utilization of released plan fund	Plan fund utilized	%	100	100	96	96	96
*	Efficient Functioning of the RFD System	Timely submission of Draft RFD for 2014-	On-time submission	Date	-	-	May 16, 2014	-	-

		2015 for Approval							
		Timely submission of Results for 2013-2014	On-time submission	Date	-	-	May 2, 2014	-	-
*	Enhanced Transparency / Improved Service delivery of Ministry/Department	Rating from Independent Audit of implementation of Citizens' / Clients' Charter (CCC)	Degree of implementation of commitments in CCC	%	-	-	95	-	-
		Independent Audit of implementation of Grievance Redress Management (GRM) system	Degree of success in implementing GRM	%	-	-	95	-	-
*	Administrative Reforms	Update organizational strategy to align with revised priorities	Date	Date	-	-	Nov.2, 2014	-	-
		Implementation of agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC)	% of Implementation	%	-	-	90	-	-
		Implementation of agreed milestones for ISO 9001	% of implementation	%	-	-	95	-	-
		Implementation of milestones of approved Innovation Action Plans (IAPs)	% of implementation	%	-	-	90	-	-

#### Section 4 (a): Acronyms

S. No.	Acronym	Description
1.	DST	Decision Support Tool
2.	FLD	Front Line Demonstration
3.	ICAR	Indian Council of Agricultural Research
4.	IFS	Integrated Farming System
5.	NGOs	Non-Government Organizations
6.	OFT	On-Farm Trial
7.	SAU	State Agricultural University
8.	SHM	State Horticulture Mission

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

S. No.	Success Indicator	Description	Definition	Measurement methodology	General Comments
1.	IFS models developed/ tested/ refined	Keeping in view the small scattered and fragmented landholdings in irrigated ecosystem, IFS mode of food production system has been developed in order to achieve food and nutritional security at household and even at individual level. Decision Support Tool (DST) has been used for testing different component of IFS model involving crop, livestock, poultry, beekeeping and fisheries. Wetland rehabilitation will be achieved through harnessing the complementarity of crop, livestock and fish through various technological interventions.	IFS refer to integrate different components of farming systems in such a manner that by product of one component becomes input of other component.	The input and output of different component of IFS will be recorded in structural schedule. The output of different components will be converted in yield equivalence of major component for calculation of production and profit of farming system model under irrigated, rainfed and plateau region.	IFS is the need of the hour as it may improve the food security, soil health and livelihood of small and marginal farmers.

2.	Germplasm of agri-horti crops, animal breed and fish species collected, conserved and evaluated	The germplasm of various agri-horti and aquatic crops besides animal and fish will be collected, screened and evaluated / tested for their yield ability under different eco-systems of eastern region. The germplasm will be evaluated as on-station trial and subsequently the on-station trial will be disseminated to the farmers through front line demonstrations.	It refers to collection, conservation and evaluation of different varieties/species of agricultural crops, animal and fish.	The germplasm of various agri-horti and aquatic crops besides animal and fish will be collected from different part of eastern region. All the germplasm will be conserved & evaluated as on-station trial and finally screened to develop varieties suitable for eastern region.	Biodiversity can be maintained and problem of seed shortage can be minimized.
3.	Technologies developed for enhancing input use efficiencies and improving livestock & fish production	Development of production technologies for crops, livestock and fish will be achieved through different interventions on soil, water, nutrient and resource conservation measures. It will lead to efficiently utilize the critical inputs like seed, fertilizer and irrigation requirements. Non-conventional energy sources like solar radiation shall be used for irrigation keeping in view the constraints of electricity supply in agriculture sector.	It refers to input use efficiency for increasing productivity of agricultural production system	Expansion of area, productivity and profitability of different interventions will be measured through impact assessment before and after interventions.	Input use efficiency of different agri-horti crops and livestock can be enhanced through developed technology packages.
4.	FLDs/OFTs conducted	Adoption and demonstration of the technologies developed by the institute through structured schedule as well as training to the farmers, different stakeholders	It refers to front line demonstration, on- farm trial	Survey of constraints, knowledge gap dissemination and impact analysis of technologies through structured schedule	FLD in participatory mode helps in quick adoption of technology by the farming community
5.	Training programmes organized	Up scaling of knowledge of farmers through improved technical knowhow	Knowledge sharing and dissemination	Number	Exchange of ideas and information among different stakeholders on recent advances



**Section 5 : Specific performance requirements from other departments that are critical for delivering agreed results**

Location Type	State	Organization Type	Organization Name	Relevant Success Indicator	What is your requirement from this organization	Justification for this requirement	Please quantify your requirement from this organization	What happens if your requirement is not met
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

**Section 6: Outcome/Impact of activities of Department/Ministry**

S. No	Outcome / Impact	Jointly responsible for influencing this outcome / impact with the following organisation (s) / department(s)/ ministry(ies)	Success Indicator (s)	Unit	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
1	Increased crop productivity and profitability of farmers of eastern region.	State Agriculture Deptt./ Livestock and Fisheries Deptt./ SAUs/ NGOs/ SHM and farmers	Increase in productivity	%	3	5	6	7	8
			Enhanced profitability of farmers	%	4	5	6	6	7

## Supplementary Information

### Classification of Success Indicators according to its Category

S.No.	Success Indicator(s)	Input	Activity	Internal Output	External Output	Outcome	Measures Qualitative Aspects
1.	IFS models developed/tested/refined	False	True	False	False	False	False
2.	Germplasm of agri-horti crops, animal breed and fish species collected, conserved and evaluated	False	True	False	False	False	True
3.	Technologies developed for enhancing input use efficiencies and improving livestock & fish production	False	True	False	False	False	True
4.	FLDs/OFTs conducted	False	False	True	False	False	False
5.	Training programmes organized	False	False	True	False	False	False

**Procedure for setting the Agreed Performance Targets of the Success Indicators**

S. No.	Success indicator (s)	Past Achievements of the Success Indicators						Mean of the Achievements	Projected value of the success indicator for 2014-15 as per the approved RFD 2013-14
		n <sup>th</sup> year	V 2008-2009	IV 2009-2010	III 2010-2011	II 2011-2012	I 2012-2013		
1	IFS models developed/ tested/ refined	-	-	-	2	2	3	2.33	4
2	Germplasm of agri-horti crops, animal breed and fish species collected, conserved and evaluated	-	-	-	15	10	9	9.5	6
3	Technologies developed for enhancing input use efficiencies and improving livestock & fish production	-	-	-	7	5	8	6.66	5
4	FLDs/ OFTs conducted	-	-	-	20	26	23	23	25
5	Training programmes organized	-	-	-	25	28	57	26.5	60

\*While computing mean of the achievement, extreme values have been ignored.