



Results-Framework Document(RFD)

for

ICAR Research Complex for Eastern Region (2012 - 2013)

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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

- Strengthening frontier research for enhancing agricultural production and productivity
- Conservation of genetic resources/ germplasm for sustainable use
- Production management and disease diagnostics/management & value addition
- Enhancing input use efficiency (soil and water).
- Monitoring of climate change and adaptation to mitigate its adverse effects on agricultural production systems
- Human resource development and capacity building in frontier areas of agricultural research

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 line departments of state and central governments and other concerned national and international agencies 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

Objectives	Weight (%)	Actions	Success indicators	Unit	Weight (%)	Target /Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Strengthening frontier research for enhancing agricultural production and productivity	18	Integrated farming system	IFS models developed/tested/refined	No.	8	3	2	1	0	0
		Animal nutrition and production/fish production	Experiment on animal nutrition/production/feed management	No.	10	5	3	1	0	0
Conservation of genetic resources/germplasm for sustainable use	18	Collection, conservation and evaluation of germplasm including animal	Experiments on germplasm evaluation of crops and animal	No.	18	9	8	7	6	5
Production management and disease diagnostics/management and value addition	16	Disease/Insect Pest Management	Experiment on disease and pest management in field/horticulture crops/animal/value addition in milk and vegetable	No.	16	8	7	6	5	4
Enhancing input use efficiency (soil and water)	14	Integrated Nutrient and Water Management	Development of technology packages for enhancing nutrient water use efficiency	No.	14	8	7	6	5	4
Monitoring of climate change and adaptation to mitigate its adverse effects	8	Climate Resilient Agriculture	Testing of crop varieties for climate resilient/ carbon sequestration/risk management	No.	8	4	3	2	1	0

on agricultural production systems.											
Human resource development and capacity building in frontier areas of agricultural research	14	Transfer of technology	Impact assessment of adopted technologies	No.	3	2	1	0	0	0	
			FLDs/ training programmes	No.	6	80	72	64	56	48	
			Farmers trained	No.	5	2400	2160	1920	1680	1440	
Efficient Functioning of the RFD System	3	Timely submission of RFD for 2012-13	On-time submission	Date	2	Mar. 23 2012	Mar. 26 2012	Mar. 27 2012	Mar. 28 2012	Mar. 29 2012	
		Timely submission of Results for 2012-13	On-time submission	Date	1	May 1 2013	May 2 2013	May 3 2013	May 6 2013	May 7 2013	
Administrative Reforms	5	Implement ISO 9001	Prepare ISO 9001 action plan	Date	1	June 4 2012	June 5 2012	June 6 2012	June 7 2012	June 8 2012	
			Implementation of ISO 9001 action plan	Date	2	March 25 2013	March 26, 2013	March 27 2013	March 28 2013	March 29 2013	
		Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	2	100	95	90	85	80	
Improving Internal	4	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2	100	95	90	85	80	

Efficiency / responsiveness / service delivery of Ministry / Department			Independent Audit of implementation of public grievance redressal system	%	2	100	95	90	85	80
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Section 3: Trend Values of the Success Indicators

Objectives	Actions	Success Indicators	Unit	Actual value for FY 10/11	Actual Value for FY 11/12	Target Value for FY 12/13	Projected Value for FY 13/14	Projected Value for FY 14/15
Strengthening frontier research for enhancing agricultural production and productivity	Integrated farming system	IFS models developed/ tested / refined	No.	2	2	2	2	2
	Animal nutrition and production/ fish production	Experiment on animal nutrition/production/feed management	No.	-	-	3	3	3
Conservation of genetic resources/ germplasm for sustainable use	Collection, conservation and evaluation of germplasm including animal	Experiments on germplasm evaluation of crops and animal	No.	15	10	8	8	8
Production management and disease diagnostics/ management and value addition	Disease/Insect Pest Management	Experiment on disease and pest management in field/horticulture crops/ animal/ value addition in milk and vegetable	No.	0	0	7	7	7
Enhancing input use efficiency (soil and water)	Integrated Nutrient and Water Management	Development of technology packages for enhancing nutrient water use efficiency	No.	7	5	7	7	7
Monitoring of climate change and adaptation to mitigate its adverse effects on agricultural production systems	Climate Resilient Agriculture	Testing of crop varieties for climate resilient/ carbon sequestration/risk management	No.	0	0	3	3	3

Human resource development and capacity building in frontier areas of agricultural research	Transfer of technology	Impact assessment of adopted technologies	No.	0	0	1	1	1
		FLDs/ training programmes	No	45	54	72	76	80
		Farmers trained	No	1500	2000	2160	2340	2520
Efficient Functioning of the RFD System	Timely submission of RFD for 2012-13	On-time submission	Date	-	-	Mar. 26 2012	-	-
	Timely submission of Results for 2012-13	On-time submission	Date	-	-	May 2 2013	-	-
Administrative Reforms	Implement ISO 9001	Prepare ISO 9001 action plan	Date	-	-	June 5 2012	-	-
		Implementation of ISO 9001 action plan	Date	-	-	March 26 2013	-	-
	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	-	-	95	-	-
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: Description and Definition of Success Indicators and Proposed Measurement Methodology

Objective 1: This objective will be accomplished by developing Decision Support Tool (DST) for testing different component of IFS model in eastern region by involving crop, livestock, poultry, beekeeping and fisheries. DST for this purpose will use soil, crop, climate and risk factor data and will be tested for evaluating different IFS. Action on animal and fish production will be achieved through experiment on nutrition, production and feeds and fodder management and developing mixed ration for ruminants and culture of different fish species.

Objective 2: The germplasm will be collected, screened and evaluated / tested for their yield ability under different eco-systems of eastern region. The germplasm first will be evaluated in the on-station trial, subsequently in the on-station trial and finally will be disseminated to the farmers through front line demonstration.

Objective 3: This objective will be achieved through experimentation on disease, insect pests management in different crops and animal species leading to development of value added products for the eastern region.

Objective 4: This objective will be achieved through experimentation on soil, water, nutrient and resource conservation measures through non-conventional energy sources (Solar) leading to development of resource conservation technology for the eastern region.

Objective 5: This objective will be achieved through experimentation on testing of different crop cultivars under different abiotic stresses and risk management situation leading to development and release of different crop varieties suitable for the eastern region.

Objective 6: This objective will be achieved by adoption and demonstrating the technology developed by the institute through structural schedule and training to the farmers/ different stakeholders and FLD's.

Section 5: Specific Performance Requirements from Other Departments

1. Technology adoption would depend upon the proactive role of State Agril. Department/ Livestock & Fisheries Department/ State Agril. Univ./ NGO's/ Other stakeholders such as bank, credit landing organizations.
2. For survey and explorations of germplasm cooperation of SAU's, Forest Department/ State Department/ Farmers would be required.

Section 6: Outcome / Impact of activities of organisation/ministry

Outcome / Impact of organisation/ RSCs	Jointly responsible for influencing this outcome / impact with the following organisation (s) / departments/ ministry(ies)	Success Indicator(s)	Unit	2010-2011	2011-2012	2012-2013	2013-2014	2014-15
Food production of the country may increased to the tune of 1-2 % by adopting developed IFS model, diversified cropping systems, use of improved germplasm of different crops , and integrated nutrient and water management practices in eastern region	State Agriculture Deptt./ Livestock and Fisheries Deptt./ SAUs/ NGOs and farmers	IFS models developed	No.	2	2	3	4	3
		No of varieties recommended	No.	4	3	4	5	5
		Technologies for efficient utilization of nutrients and irrigation	No.	7	5	7	8	8