



Results-Framework Document (RFD)  
for  
Directorate of Rice Research  
(2014-2015)

Address: Rajendranagar, Hyderabad –  
500 030 (Telangana)

Website ID: <http://www.drricar.org>

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

### **Vision**

Welfare of the present and future generations of Indian rice farmers and consumers by ensuring food and nutritional security

### **Mission**

Develop technologies to enhance rice productivity, resource and input use efficiency and profitability of rice cultivation without adversely affecting the environment

### **Objectives**

1. Identification and validation of technologies for different ecologies under AICRIP
2. Genetic enhancement for yield, quality and resistance for sustainable rice production
3. Development and dissemination of appropriate crop production and protection technologies for maximizing yield

### **Functions**

- To conceptualize, initiate, monitor institutional research projects aimed at enhancing rice production and productivity
- To propose, defend/compete and initiate network/single institute research projects with external funding in frontier and emerging areas of rice research
- To organize AICRP on rice studies involving multi-location testing and identification of technologies for diverse rice ecologies
- To coordinate breeder seed production of rice varieties and hybrid parental lines to meet the demands of DAC
- To coordinate front-line demonstrations of proven varietal and production technologies as per the DAC requirements
- To disseminate knowledge and skills through formal training, informal out-reach activities and exploring ICT

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

S.No	Objectives	Weight	Actions	Success indicators	Unit	Weight	Target/ Criteria value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
1	Identification & validation of technologies for different ecologies under AICRIP	36	Identification of improved varieties suited to diverse agro ecologies	Varieties/hybrids identified for release	No.	15	19	16	13	10	7
			Organizing multi-disciplinary multi-location trials	Entries evaluated	No.	14	1260	1050	840	630	420
				Management practices identified	No.	7	11	9	7	5	3
2	Genetic enhancement for yield, quality and resistance for sustainable rice production	27	Evaluation of genetic material for crop improvement programmes	Breeding/germplasm lines and experimental hybrids evaluated	No.	13	700	580	460	340	220
				Lines identified for unique traits	No.	10	10	9	8	7	6
			Seed production programme to ensure quality seed availability	Breeders seed produced	MT	3	720	600	480	360	240
				Truthfully labeled seed produced	MT	1	75	60	45	30	15
3	Development and dissemination of appropriate crop production & protection technologies for maximizing yield	17	Development of new technologies	Production/protection technologies tested	No	11	37	31	25	19	13
			Dissemination of technologies	Trainings organized	No.	5	8	6	4	2	0
				Frontline demonstrations	No.	1	660	550	440	330	220

*	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	22	18	14	10	6
			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 Citizen's/ 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 2012 -2013	Actual value for FY 2013 - 2014	Target value for FY 2014 - 2015	Projected value for FY 2015- 2016	Projected value for FY 2016- 2017
1	Identification & validation of technologies for different ecologies under AICRIP	Identification of improved varieties suited to diverse agro ecologies	Varieties/hybrids identified for release	No.	18	15	16	17	18
		Organizing multi-disciplinary multi-location trials	Entries evaluated	No.	1090	970	1050	1103	1158
			Management practices identified	No.	7	8	9	10	11
2	Genetic enhancement for yield, quality and resistance for sustainable rice production	Evaluation of genetic material for crop improvement programmes	Breeding/germplasm lines and experimental hybrids evaluated	No.	425	380	580	609	639
			Lines identified for unique traits	No.	8	6	9	10	11
		Seed production programme to ensure quality seed availability	Breeders seed produced	MT	560	553	600	630	662
			Truthfully labeled seed produced	MT	45	45	60	63	65
3	Development and dissemination of appropriate crop production & protection	Development of new technologies	Production/protection technologies tested	No	18	15	31	35	39
		Dissemination of	Trainings organized	No.	7	6	6	8	10

	technologies for maximizing yield	technologies	Frontline demonstrations	No.	572	510	550	600	650
*	Publication/Documentation	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	No.	21	22	18	22	27
		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	%	98.83	98.75	96	97	98
*	Efficient Functioning of the RFD System	Timely submission of Draft RFD for 2014 – 2015 for Approval	On-time submission	Date	-	-	May 16,2014	-	-
		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 Citizen's/ 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.	AICRIP	All India Coordinated Rice Improvement Project
2.	DAC	Department of Agriculture and Cooperation
3.	ICT	Information and Communication Technology
4.	INGER	International Network for Genetic Evaluation of Rice
5.	AICRP	All India co-ordinated research project
6.	MT	Metric tonne

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

S.No.	Success Indicator	Description	Definition	Measurement	General Comments
1.	Varieties/hybrids identified for release	Breeding lines tested along with checks in multi-location trials through All India Coordinated Research Project and the best performing entries compared to checks are identified as new improved varieties for release	Best performing entries identified as a new variety for release	Number of such varieties identified	Targets for varieties identified given in Section 2 and their respective trend values in Section 3 may vary as the identification of varieties depend upon the availability of superior material with respect to yield, biotic and abiotic resistance/ tolerance over the existing varieties
2.	Entries evaluated	Source material for the improved varieties to be evaluated under AICRIP	Material generated from the basic germplasm	Number of breeding lines evaluated	
3.	Management practices identified	Various rice management practices for increased production identified under AICRP network	Best management practices identified for different ecologies under multi-location testing	Number of such practices identified	To facilitate increased productivity with reduced input use
4.	Breeding/germplasm lines and experimental hybrids evaluated	Source material for the improved varieties/germplasm to be evaluated	Material generated from the basic germplasm	Number of breeding lines/germplasm evaluated	

5.	Lines identified for unique traits	Evaluation of genetic material for crop improvement	Lines identified for specific traits	Number of lines identified	
6.	Breeders seed produced	Produce from nucleus and breeder seed is the starting point in seed chain of producing quality seeds for farmers	Breeder seed is the starting point in seed chain which is multiplied/ converted into foundation/ certified seed	Quantity produced	Quantity may vary as per indent from DAC
7.	Truthfully labeled seed produced	The seed is produced from foundation or certified seed	Truthfully labeled seed is not subjected to certification but the quality and purity are ensured by the providing agency	Quantity produced	Quantity may vary depending on the demand for the varieties included in the production
8.	Production/protection technologies tested	Development of appropriate crop production & protection technologies for maximizing yield	The improved technologies are aimed at reduction of the cost of cultivation, to increase profits for the farmer and to sustain rice farm system productivity under changing climate.	Number of technologies tested	
9.	Trainings organized	Capacity building activities on rice production technologies to extension personnel as well as farmers	Training programmes are key for updating of knowledge and skill of faculty and farmers	Number	No. of trainings organized may vary as per the availability of funds from sponsoring agencies
10.	Frontline demonstrations	Demonstrations conducted for technology testing and proving the technology's potential	Demonstration is conducted on farmers' field under the close supervision of scientists	Number	

**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
INGER		Network	International Network for Genetic Evaluation of Rice	Entries evaluated	Germplasm	Collection of germplasm	Availability of germplasm	Less or more no. of entries will be evaluated
Central Government		Departments	Department of Agriculture and Cooperation	Breeders seed produced	Indent for quantity of breeder seed	Variety wise indent for breeder seed	Quantity of breeder seed is produced as per the indent	Less or more quantity of breeder seed will be produced
Central and state government		Departments and agencies	Department of Agriculture and Cooperation and other funding agencies	Trainings organized	Funds for organizing trainings	Funds for conduct of trainings	Trainings are organized as per the availability of funds from sponsoring agencies	Less or more no. of trainings will be organized

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

S. 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	Enhanced rice productivity	DAC / Line Departments	Increase in productivity	%	1.9	2.0	2.1	2.2	2.3
2	Enhanced farmers' income	-	Improvement in farmers' income	%	17.9	6.9	10.1	9.6	9.7