



Results-Framework Document (RFD)
for
ICAR- Central Rice Research Institute
(2014-2015)

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Section 1: Vision, Mission, Objectives and Functions

Vision

Food and nutritional security through sustainable rice production.

Mission

To develop and disseminate eco-friendly rice production technologies for enhancing productivity and profitability of rice cultivation in all agro-climatic situations.

Objectives

1. Genetic enhancement and development of improved cultivars
2. Development and identification of appropriate crop production and protection technologies
3. Technology dissemination and capacity building

Functions

- Conduct basic, applied and adaptive research on crop improvement and resource management for increasing and stabilizing rice productivity in different rice ecosystems with special emphasis on rainfed ecosystems and the related abiotic stresses.
- Generation of appropriate technology through applied research for increasing and sustaining productivity and income from rice and rice-based cropping/farming systems in all the ecosystems in view of decline in per capita availability of land.
- Collection, evaluation, conservation and exchange of rice germplasm and distribution of improved plant materials to different national and regional research centres.
- Development of technology for integrated pest, disease and nutrient management for various farming situations.
- Characterization of rice environment in the country and evaluation of physical, biological, socioeconomic and institutional constraints to rice production under different agro-ecological conditions and in farmers' situations and develop remedial measures for their amelioration.
- Maintain database on rice ecology, ecosystems, farming situations and comprehensive rice statistics for the country as a whole in relation to their potential productivity and profitability.
- Impart training to rice research workers, trainers and subject matter/extension specialists on improved rice production and rice-based cropping and farming systems.
- Collect and maintain information on all aspects of rice and rice-based cropping and farming systems in the country.

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

Sl. No.	Objectives	Weight	Actions	Success Indicators	Unit	Weight	Target / Criteria Value				
							100%	90%	80%	70%	60%
1	Genetic enhancement and development of improved cultivars	62	Evaluation of genetic material	Breeding and germplasm lines evaluated	Number	17	672	560	448	336	224
				Lines identified for unique traits	Number	5	6	5	4	3	2
			Development of improved cultivars	Entries contributed for AICRIP multi-location trial	Number	15	110	92	74	56	38
				Varieties identified for release	Number	5	4	3	2	1	0
			Seed production programme	Breeder seed produced	Weight MT	15	54	45	36	27	18
				Truthfully labeled seed produced	Weight MT	5	66	55	44	33	22
2	Development and identification of appropriate crop production & protection technologies	10	Development and testing of new technologies	New technologies identified & tested	Number	10	6 ^s	5	4	3	2
3	Technology dissemination and capacity building	8	Demonstrations conducted	Front line demonstrations conducted	Number	4	22	18	14	10	6
			Farmers/ Extension officials training programmes organized	Trainings organized	Number	4	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	42	35	28	21	14
			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

As per the DAC indent received

\$ Reduction in target due to depleting scientific and technical manpower

† As per sponsorship received

Section 3: Trend Values of the Success Indicators

Sl. No.	Objectives	Actions	Success indicators	Unit	Actual value for FY 2012-2013	Actual value for FY 2013-2014	Target value for FY2014-2015	Projected values for FY2015-2016	Projected values for FY 2016-2017
1	Genetic enhancement and development of improved cultivars	Evaluation of genetic material	Breeding and germplasm lines evaluated	Number	2470*	873	560	600	650
			Lines identified for unique traits	Number	5	6	5	7	8
		Development of improved cultivars	Entries contributed for AICRIP multi-location trial	Number	225	118	92	94	100
			Varieties identified for release	Number	2	7	3	2	2
		Seed production programme	Breeder seed produced	Weight MT	45	60.3	45	47	50
			Truthfully labeled seed produced	Weight MT	42.8	70 ^s	55	59	62
2	Development and identification of appropriate crop production & protection technologies	Development and testing of new technologies	New technologies identified & tested	Number	8	10	5	5	6
3	Technology dissemination and capacity building	Demonstrations conducted	Front line demonstrations conducted	Number	19	30	18	20	21
		Farmers/ Extension officials training programmes organized	Trainings organized	Number	9	18	10	11	12
*	Publication/Documentation	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	No.	34	59	35	40	44

		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 2014-2015 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 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	-	-

* Higher achievement due to evaluation of more number of germplasms under the project EAP 172 in collaboration with NBPGR and NICRA project

\$ Higher production due to participatory seed production in farmers' fields

Section 4(a): Acronyms

S. No.	Acronym	Description
1	AICRIP	All India Coordinated Rice Improvement Project
2	DAC	Department of Agriculture and Cooperation
3	MT	Metric Tonne
4	NGO	Non Government Organization
5	CRRRI	Central Rice Research Institute
6	ICAR	Indian Council of Agricultural Research

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

S. No.	Success Indicators	Description	Definition	Measurement	General comments
1	Breeding and germplasm lines evaluated	Germplasm which is source for improved varieties and newly developed breeding lines to be evaluated	Germplasm is a collection of genetic resources for rice	Number of germplasm and breeding lines evaluated	
2	Lines identified for unique traits	Lines with unique traits to be identified from the germplasm	Germplasm lines with very specific characteristics are to be identified	Number	This will help in identification of lines useful for improving specific economic traits
3	Entries contributed for AICRIP multi-location trial	Breeding lines developed through various projects are nominated for different trials of AICRIP to know their performance over locations	Breeding lines nominated by the Institute for multi-location trials of AICRIP	Number	No. of entries will depend on performance in on-station trial
4	Varieties identified for release	Breeding lines tested along with checks in multi-location trials through All India Coordinated Research Projects 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

5	Breeder 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 in to foundation /certified seed	Quantity produced (MT)	Quantity may vary as per indent from DAC
6	Truthfully labeled seed produced	Truthfully labeled seed is produced at the Institute for supplying quality seeds of popular varieties to farmers	Truthfully labeled seed is the progeny of foundation, certified or labeled seed	Quantity produced (MT)	Quantity will depend on farmers' demand for quality seed
7	New technologies identified & tested	New crop production & protection technologies for rice to be identified and tested to achieve profitable and higher rice production	Production technologies help in increasing production of rice, improving soil health and reducing cost of cultivation. Protection technologies help in economic control of diseases and insect-pests of rice	Number	
8	Front line demonstrations conducted	Front line demonstrations are conducted for technology testing in the farmers conditions	Frontline demonstration is the field demonstration conducted on farmers field under the close supervision of scientists	Number	
9	Trainings organized	Capacity building activities related to rice knowledge and skill improvement/development programmes conducted for extension personnel and progressive farmers	Training is a process of acquisition of new skills, attitude and knowledge in the context of preparing for entry into a vocation or improving productivity in an organization or enterprise	Number	Number of trainings depends on sponsorship received

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
Central and State Governments	States with AICRIP centres	ICAR, State Department	AICRIP and State Agricultural Departments	Varieties identified for release	Multi-location testing of breeding lines	Co-ordinating multi location testing	No. of breeding lines tested	Less nos. of varieties will be identified for release
Central and State Governments	States indenting for breeder seed	Departments	DAC, State Agricultural Departments	Breeder seed produced	Indent for quantity of breeder seed	Variety wise indent for breeder seed	Quantity of breeder seed produced as per the indent	Less quantity of breeder seed will be produced
Central Government		Departments	DAC	Front line demonstrations conducted	Funding and indent	For conducting demonstrations	Funding as per the indent	Less nos. of demonstrations will be conducted
Central and State Governments	All rice growing states	Departments	DAC and other funding agencies	Trainings organized	Funding and indent	For organizing trainings	Funding as per the indent	Less nos. 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	Acceptance and popularity of CRR1 varieties as evidenced by sale of quality seeds	DAC, State Agriculture Departments, NGOs and farmers	Demand for breeder & TL seeds	MT	87.8	130.3	110.0	115.0	120.0
2	Enhanced rice productivity	DAC, Ministry of Rural Development, State Agriculture Departments and NGOs	Increase in productivity	Percent	1.8	2.0	2.25	2.5	2.5
3	Enhancement in export of rice	Ministry of Commerce and Export houses	Increase in export [#]	Percent	41.4*	7.33	7.0	8.0	8.0

Calculation based on data available in APEDA website.

* Higher value in 2012-13 is due to more increase in export of non-basmati rice over the previous year. Earlier in 2010-11, there was a ban on non-basmati rice export and non-basmati export picked up slowly in 2011-12.