



**Results-Framework Document (RFD)
for
Directorate of Onion and Garlic Research
(2014-2015)**

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Section 1: Vision, Mission, Objectives and Functions

Vision

To improve production, productivity, export and add on value of onion and garlic.

Mission

Harness the national resources to increase the production of onion and garlic and identify the strategies for sustainable and eco-friendly practices to enhance profitability and welfare of the farming community.

Objectives

1. Management of genetic resources and crop improvement.
2. Crop production technology and its transfer.

Functions

To plan, co-ordinate, implement and monitor R&D programmes for sustainable production of onion & garlic

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 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
1	Management of genetic resources and crop improvement	50	Evaluation of breeding lines	Breeding lines evaluated	Number	20	300	250	200	150	100
			Evaluation of germplasm	Germplasm evaluated	Number	12	192	160	128	96	64
			Collection of germplasm	Germplasm collected	Number	10	66	55	44	33	22
			Conservation of germplasm	Germplasm maintained	Number	8	2052	1710	1368	1026	684
2	Crop production technology and its transfer	30	Development of technologies	Technologies developed	Number	10	7	6	5	4	3
			Transfer of technologies through trainings and demonstrations	Demonstrations conducted	Number	10	10	8	6	4	2
				Trainings imparted	Number	10	6	5	4	3	2
	* Publication/ Documentation	5	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	Number	3	5	4	3	2	1
			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

			Implementatio n of agreed milestones of approved Mitigating Strategies for Reduction of potential risk of corruption (MSC)	% of implementation	%	1	100	90	80	70	60
			Implementatio n of agreed milestones for ISO 9001	% of implementation	%	2	100	95	90	85	80
			Implementatio n 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 2012-2013	Actual value for 2013-14	Target value for 2014-15	Projected value for 2015-16	Projected value for 2016-17
1	Management of genetic resources and crop improvement	Evaluation of breeding lines	Breeding lines evaluated	Number	180	250	250	260	275
		Evaluation of germplasm	Germplasm evaluated	Number	120	155	160	170	180
		Collection of germplasm	Germplasm collected	Number	51	54	55	60	70
		Conservation of germplasm	Germplasm maintained	Number	2250	1700	1710	1800	1850
2	Crop production technology and its transfer	Development of technologies	Technologies developed	Number	5	7	6	8	8
		Transfer of technologies through trainings and demonstrations	Demonstrations conducted	Number	5	9	8	11	11
			Trainings imparted	Number	2	12	5	11	11
	*Publication/ Documentation	Publication of the research articles in the journals having the NAAS rating of 6.0 and above	Research articles published	Number	0	4	4	4	4
		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	--	--

*mandatory objectives

Section 4 (a):Acronyms

S. No.	Acronym	Description
1	KVK	KrishiVigyan Kendra
2	R&D	Research and Development
3	DAC	Department of Agriculture and Cooperation
4	SAUs	State Agricultural Universities

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

SI No.	Success Indicator	Description	Definition	Measurement	General Comments
1	Breeding lines evaluated	Germplasm evaluation is the basic requirement to develop improved varieties.	Through breeding lines evaluation, varieties with quality traits can be developed.	Number of breeding lines evaluated	Germplasm is evaluated to develop onion and garlic varieties with quality and yield.
2	Germplasm evaluated	Germplasm evaluation is the basic requirement to develop advanced genetic stock.	Through germplasm evaluation advanced material with quality traits can be selected.	Number of germplasm accessions evaluated	Germplasm is evaluated to select advanced material with traits for quality and yield.
3	Germplasm collected	Germplasm is the basic source of variability.	Germplasm collection is the basic activity through which resource for crop improvement is enhanced.	Number of germplasm accessions collected	Germplasm of onion and garlic is collected to improve the diversity in the germplasm repository.
4	Germplasm maintained	Germplasm conservation is the basic activity that needs to be carried out.	Germplasm conservation <i>in-vitro</i> and <i>in-vivo</i> is an important activity that ensures the maintenance of variability in genetic stock.	Number of germplasm accessions conserved	Germplasm acts as reservoir of variability for breeding program and that needs to be maintained on priority.
5	Technologies developed	Onion and garlic production and protection technologies are evaluated for improving productivity & profitability.	Production and protection technologies refers to the maintenance of soil/plant/ecosystem, efficient management of pest and diseases at an optimum level for enhancing productivity/profitability/sustaining productivity through optimization of the resources.	Number of production technologies developed	To ensure higher productivity/profitability and sustainability of production systems.
6	Demonstrations conducted	Frontline and on-field demonstration are the basic methods to transfer technologies to end users	Demonstrations are the tools through which technologies developed are disseminated to ultimate end users i.e. farmers and other stakeholders.	Number of demonstrations conducted	To ensure better impact of technologies developed, conduction of demonstration is necessary.
7	Trainings imparted	Capacity building through training is basic activity through impact of technologies developed can be increased.	Training is development of skill to adopt new and improved technologies.	Number of trainings conducted.	To ensure capacity building among various categories of extension, state department personals and farmers training is required.

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
State Governments	All states	Departments	State Biodiversity Authority/Forest Department	Germplasm collected	Permission to survey/ collection	Without permission it is illegal to enter the reserved forest for collection	Number of permission letters issued	Less number of germplasm accessions will be collected

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)/departments/ministry(res)	Success Indicator(s)	Unit	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017
1	Increase in productivity of onion	Increase in productivity DAC/SAU/KVKs/State AgrilDept	a. Onion	%	0.2	0.3	0.4	0.5	0.6
			b. Garlic	%	0.2	0.3	0.4	0.5	0.6

Classification of Success Indicators according to its Category

S.No.	Success Indicator(s)	Input	Activity	Internal Output	External Output	Outcome	Measures Qualitative Aspects
1.	Breeding lines evaluated	False	False	True	False	False	False
2.	Germplasm evaluated	False	True	False	False	False	False
3.	Germplasm collected	False	False	True	False	False	False
4.	Germplasm maintained	False	True	False	False	False	False
5.	Technologies developed	False	False	False	False	True	False
6.	Demonstrations conducted	False	False	False	True	False	True
7.	Trainings imparted	False	False	False	True	False	True

Past Achievements of the Success Indicators

S. No	Success indicator	Past achievement of success indicator							Mean of the achievements*	Projected value of the success indicator for 2014-2015 as approved RFD 2013-2014
		VII 2007- 2008	VI 2008- 2009	V 2009- 2010	IV 2010- 2011	III 2011- 2012	II 2012- 2013	I 2013- 2014		
1	Germplasm collected	35	266	212	57	118	51	54	54	55
2	Germplasm maintained	1620	1870	2036	1907	1450	2250	1700	1952.65	1750
3	Germplasm evaluated	369	281	390	410	308	120	155	294.5	155
4	Breeding lines evaluated	93	103	149	149	172	68	250	149	255
5	Technologies developed	2	2	3	4	5	5	7	5	6
6	Demonstrations conducted	-	-	-	-	4	5	9	4.5	8
7	Trainings imparted	4	2	2	1	2	2	12	2.0	5

*After removing outliers