

RFD
Results - Framework Document

(2011-2012)

Directorate of Onion and Garlic Research
Rajgurunagar, Pune
Maharashtra

Section 1: Vision, Mission, Objectives and Functions

Vision

To promote overall growth of onion and garlic in terms of enhancement of quality production, export and processing

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. Conservation of genetic resources/germplasm for sustainable use
2. Production of quality planting material
3. Technologies developed, participatory technology developed, prototype, genetic stock, variety, product, vaccine, diagnostic kit, process, concept, methodology, software development/Data base management/Expert system developed/Decision support system /models / e-learning lessons / models, Advanced lines developed

Functions

To plan, coordinate, implement and monitor R&D programmes for sustainable production of onion & garlic and resource conservation.

Section-2
Inter se priorities among key objectives, success indicators and targets

Objectives	Weight	Action	Success Indicators	Unit	Weight	Target/Criteria Value				
						Excellent 100%	Very Good 90%	Good 80%	Fair 70%	Poor 60%
1. Conservation of genetic resources/germplasm for sustainable use	32	Collection of onion germplasm	Number of germplasm collected	Number	10	20	18	16	14	12
		Conservation of onion & garlic germplasm	Number of germplasm conserved	Number	10	800	700	600	500	400
		Evaluation of high yielding lines of onion & garlic	Number of lines evaluated for yield & quality	Number	12	40	30	20	10	5
2. Production of quality planting material	32	Production of quality onion seed	Quantity of seed	Kg	17	1600	1500	1400	1300	1200
		Production of good quality planting material (cloves) of garlic.	Quantity of planting material	Tonnes	15	7.5	6.5	6	5	4.5
3. Technologies developed, participatory technology developed, prototype, genetic stock, variety, product, vaccine, diagnostic kit, process, concept, methodology, software development/Data base management/Expert system developed/Decision support system /models / e-learning lessons / models, Advanced lines developed	25	Development of technologies	No. of technologies developed	Number	25	5	4	3	2	1
4. Efficient Functioning of the RFD System	11	Timely submission of RFD for 2011-12	On-time submission	Date	2	10.06.2011	14.06.2011	16.06.2011	20.06.2011	22.06.2011
		Timely submission of Results for 2011-12	On-time submission	Date	1	01.05.2012	03.05.2012	04.05.2012	05.05.2012	06.05.2012
		Finalize a Strategic Plan for RC	Finalize the Strategic Plan for next 5 years	Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011

		Identify potential areas of corruption related to organization activities and develop an action plan to mitigate them	Finalize an action plan to mitigate potential areas of corruption.	Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011
	Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review Citizen's Charter		Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011
		Create a Sevottam compliant system to redress and monitor public Grievances		Date	2	10.12.2011	15.12.2011	20.12.2011	24.12.2011	31.12.2011

Section 3 Trend values of the success indicators

Objectives	Action	Success Indicators	Unit	Actual value for FY 09/10	Actual value for FY 10/11	Target Value for FY 11/12	Projected Value for FY 12/13	Projected Value for FY 13/14
1. Conservation of genetic resources/germplasm for sustainable use.	Collection of onion germplasm.	Number of germplasm collected.	Number	16	17	18	20	20
	Conservation of onion & garlic	Number of germplasm conserved.	Number	600	560	700	800	800
	Development/Evaluation of high yielding lines of onion & garlic	No of lines evaluated for yield & quality.	Number	35	40	30	40	40
Production quality planting material	Production of quality onion seed.	Quantity	Kg	2000	2500	1500	1600	1600
	Production of good quality planting material (cloves) of garlic.	Quantity	Tonnes	5.0	6.0	6.5	7.5	7.5
Technologies developed, participatory technology developed, prototype, genetic stock, variety, product, vaccine, diagnostic kit, process, advanced lines, concept, methodology, software development/Data base management/Expert system developed/Decision support system /models / e-learning lessons / models developed 2.	Development of production technologies	No of technologies developed	Number	3	3.5	4	5	6
3. Efficient Functioning of the RED System	Timely submission of RFD for 2011-12	On-time submission	Date	-	-	June14 2011	-	-
	Timely submission of Results for 2011-12	On-time submission	Date	-	-	May 3 2012	-	-
	Finalize a Strategic Plan for RC	Finalize the Strategic Plan for next 5 years	Date	-	-	Dec. 15 2011	-	-

	Identify potential areas of corruption related to organization activities and develop an action plan to mitigate them	Finalize an action plan to mitigate potential areas of corruption.	Date	-	-	Dec. 15 2011	-	-
	Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review Citizen's Charter	Date	-	-	Dec. 15 2011	-	-
		Create a Sevottam compliant system to redress and monitor public Grievances	Date	-	-	Dec. 15 2011	-	-

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

1. Objective 1

The genetic diversity of onion & garlic will be collected from different eco-regions, characterized and utilized to develop varieties for higher yields, quality and biotic and abiotic stresses. The success will be measured in terms of number of germplasm/advance lines to be collected, conserved /evaluated.

2. Objective 2

Production of good quality planting materials of improved varieties of onion & garlic is an important mandate of the institute. The good quality onion seed is produced by standard procedure while, planting materials of garlic is produced clonally from cloves. Success will be measured in terms of area to be planted for production of good quality planting materials and measurable quantity.

3. Objective 3

Harnessing and enhancing genetic potential of released varieties through agronomic innovations.

Section 5: Specific performance requirements from other Departments.

1. MOU is required for germplasm introduction and evaluation from various International and National stakeholders through NBPGR (ICAR)
2. Based on the demand from Dept. of Agriculture of State Governments, NHM, Spices Board, NAFED and progressive farmers

Section 6

Outcome / Impact of activities of organisation

Sl. No.	Outcome/ Impact of organization/ RCs	Jointly responsible for influencing this outcome/impact with the following organization (s)/ ministries	Success indicator	Unit	2009-10	2010-11	2011-12	2012-13	2013-14
	Production of quality onion seed.	DAC/SAU/NHB/NHM/APEDA/MoRD/State Line Departments/KVKs/MoWR etc	Quantity of seeds (quintals)	Quintals	1900	2300	2632	1600	1600
	Production of good quality planting material (cloves) of garlic.	DAC/SAU/NHB/NHM/APEDA/MoRD/State Line Departments/KVKs/MoWR etc	Quantity of planting material (tonnes)	Tonnes	4.0	6.0	6.5	7.5	7.5
	Development of technologies viz varieties, diagnostic kits, Process, protocols, concept, methodology, Software development, expert system, Decision Support System etc.	DAC/SAU/NHB/NHM/APEDA/MoRD/State Line Departments/KVKs/MoWR etc	No. of technologies developed.	Number	4	5	5	5	5