



**Results-Framework Document (RFD)**  
**for**  
**Horticulture Division**  
**(2013-2014)**

**Indian Council of Agricultural Research**  
**Department of Agricultural Research and Education**

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

### **Vision**

To achieve technology led development of horticulture

### **Mission**

Horticulture Division is vested with the responsibility of overseeing the overall accelerated development of horticulture in national perspective for improving nutritional, ecological and livelihood security

### **Objectives**

1. Utilizing frontier research in identified areas / programs for better genetic exploitation
2. Production technologies for high yield and quality

### **Functions**

To plan, coordinate, implement and monitor R&D programmes for sustainable agricultural production and resource conservation and to serve as knowledge repository in the field of horticulture

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

Objectives	Weight	Action(s)	Success Indicator(s)	Unit	Weight	Target / Criteria Value				
						Excellent	Very Good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Utilizing frontier research in identified areas / programs for better genetic exploitation	54	Collection, characterization and conservation of genetic resources	Germplasm collected (horticultural crops)	Number	14	410	400	350	325	250
		Evaluation of genetic resources / improved varieties for suitable crop husbandry practices	Breeder seed produced (horticultural crops)	Quintal	12	37000	36000	32000	30000	25000
		Production of breeder seed, other seeds and planting materials	Planting materials produced	Number (in lakhs)	16	42	41	35	30	25
		Development of improved varieties suited to diverse agro ecologies	Varieties developed (horticultural crops)	Number	12	20	18	15	13	10
Production technologies for high yield and quality	35	Development of production & protection technologies	Production technologies developed	Number	15	15	13	12	10	9
			Protection technologies developed	Number	10	6	5	4	3	2

			Organizing training and demonstrations	Number	10	45	40	36	31	27
Efficient Functioning of the RFD System	3	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date	2	15/05/2013	16/05/2013	17/05/2013	20/05/2013	21/05/2013
		Timely submission of Results for RFD (2012-13)	On-time submission	Date	1	01/05/2013	02/05/2013	05/05/2013	06/05/2013	07/05/2013
Administrative Reforms	4	Implement ISO 9001 as per the approved action plan	% Implementation	%	2	100	95	90	85	80
		Prepare an action plan for Innovation	On-time submission	Date	2	30/07/2013	10/08/2013	20/08/2013	30/08/2013	10/09/2013
Improving Internal Efficiency /responsiveness / service delivery of	4	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2	100	95	90	85	80

Ministry / Department			Independent Audit of implementati on of public grievance redressal system	%	2	100	95	90	85	80
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### Section 3: Trend Values of the Success Indicators

Objectives	Action(s)	Success Indicator(s)	Unit	Actual Value for FY 11-12	Actual Value for FY 12-13	Target Value for FY 13-14	Project ed Value for FY 14-15	Projected Value for FY 15-16
Utilizing frontier research in identified areas / programs for better genetic exploitation	Collection, characterization and conservation of genetic resources	Germplasm collected (horticultural crops)	Number	300	345	400	410	415
	Evaluation of genetic resources / improved varieties for suitable crop husbandry practices	Breeder seed produced (horticultural crops)	Quintal	35000	38020	36000	37000	37500
	Production of breeder seed, other seeds and planting materials	Planting materials produced	Number (in lakhs)	40	42.56	41	42	42.5
	Development of improved varieties suited to diverse agro ecologies	Varieties developed (horticultural crops)	Number	15	19	18	18	18
Production technologies for high yield and quality	Development of production & protection technologies	Development of technology for increasing production	Number	15	14	13	14	15
		Development of protection	Number	05	07	05	6	7

		technologies						
		Organizing training and demonstrations	Number	45	55	40	42	45
Efficient Functioning of the RFD System	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date			16/05/2013		
	Timely submission of Results for RFD (2012-13)	On-time submission	Date			02/05/2013		
Administrative Reforms	Implement ISO 9001 as per the approved action plan.	% Implementation	%			95		
	Prepare an action plan for Innovation	On-time submission	Date			10/08/2013		
Improving Internal Efficiency /responsiveness / service delivery of	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%			95		

Ministry / Department		Independent Audit of implementati on of public grievance redressal system	%			95		
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#### Section 4: Acronyms

S.No	Acronym	Description
1.	R & D	Research and Development
2.	DAC	Department of Agriculture and Cooperation
3.	SAU	State Agricultural Universities
4.	NHB	National Horticulture Board
5.	NHM	National Horticulture Mission
6.	MoRD	Ministry of Rural Development
7.	KVK	Krishi Vigyan Kendra
8.	MoWR	Ministry of Water Resources
9.	APEDA	Agricultural and Processed Food Products Export Development Authority

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

S. No.	Success Indicator	Description	Definition	Measure ment	General Comments
1.	Germplasm collected (horticultural crops)	Germplasms are genetic resources of horticultural crops which are source for genetic variability	Germplasm is collection of cultivars, landraces, wild species etc. for conservation and utilization	Number	Germplasm material serve as base for utilization in crop improvement programs for breeding new varieties
2.	Breeder seed produced (horticultural crops)	Propagating material directly controlled by the originating or sponsoring plant breeder of the breeding program or institution	Breeder seed, whose production is personally supervised by a qualified plant breeder and is source for foundation and certified seed.	Quintals	Breeder seed shall be genetically so pure as to guarantee that in the subsequent generation quality shall be maintained
3.	Planting materials produced	Production of planting material of vegetatively propagated horticultural crops	It is a process of vegetative means by which new individuals arise without production of seeds or spores.	Number of saplings/ plants (in lakhs)	In a wide sense, planting material arise from vegetative propagation include cutting, vegetative part apomixis, layering, division, budding, grafting

					and tissue culture.
4.	Varieties developed (horticultural crops)	Varieties/ cultivars produced by careful breeding and selection for desirable characteristics	A variety/ cultivar is a plant or grouping of plants selected for desirable traits.	Number	Varieties are result of breeding improvements can include high yield, quality, better disease resistance, drought tolerance, fruit size, etc.
5.	Development of technology for increasing production.	Production technology for high yield	The production system as a whole includes method of sowing/planting , nutrient management, weed management, water management and protection technologies for getting increased production	Number	The research findings shall be developed in package of practices
6.	Development of protection technologies	Management of insect pests and diseases	Protection technologies for controlling the incidence of insect pests and diseases	Number	Control measures thus worked out shall find place in the package of practices
7.	Organizing training and demonstrations	Dissemination of technologies	To give an exposure to farmers about new technologies	Number	Skill up gradation of farmers through training and demonstrations

**Section 5: Specific performance requirements from other Departments/Agencies**

Location Type	State	Organization Type	Organization Name	Relevant Success Indicator	What is your requirement from this organization	Justification for this requirement	Please quantify your requirement from this Organization	What happens if your requirement is not met
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

**Section 6. Outcome/Impact of activities of Organisation/ Ministry**

S. No.	Outcome/Impact of organisation /RCs	Jointly responsible for influencing this outcome/impact with the following organisation(s) / departments/ministry(s)	Success Indicators	Unit	2011-12	2012-13	2013-14	2014-15	2015-16
1.	Enhancement in production & productivity	DAC/ SAUs/ NHB/NHM/AP EDA/ MoRD/ State line departments / KVKs/ MoWR etc.	Increase in production of horticultural crops	%	2.0	2.0	2.25	2.50	2.55
			Increase in productivity of horticultural crops	%	0.5	0.6	0.75	0.80	0.90