



# **Results-Framework Document (RFD)**

**for**

**Directorate of Soybean Research  
(2013-2014)**

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# **Results-Framework Document (RFD) for Directorate of Soybean Research Indore (2013-2014)**

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

### **Vision**

To contribute to edible oil pool and energy-protein malnutrition eradication programme of the country

### **Mission**

To enhance and sustain soybean production and productivity through research and development of new technologies and providing strong technological support

### **Objectives**

- Genetic enhancement and development of improved cultivars
- Development and identification of appropriate crop production & protection technologies
- Technology dissemination and capacity building

### **Functions**

To act as national centre for basic and applied research on soybean; to plan, coordinate and monitor research on soybean in the country; to impart training to scientists and extension workers engaged in soybean research and development; to foster national and international collaborations for exchange of knowledge and material; to disseminate information on latest soybean production technology; to serve as an information bank on different aspects of soybean for strategic planning; to extend consultancy services and expertise.

## Results Framework Document for the year 2013-14 of Directorate of Soybean Research, Indore

### Section 2 : Inter se Priorities among Key Objectives, Success indicators and Targets

Mandatory Objectives and their Success Indicators for RFD 2013-2014 of Directorate of Soybean Research, Indore

S.No.	Objective	Weight	Actions	Success Indicator	Unit	Weight	Target/Criteria Value				
							Excellent	Very Good	Good	Fair	Poor
							100%	90%	80%	70%	60%
1	Genetic enhancement and development of improved cultivars	49	Evaluation of genetic material	Breeding and germplasm lines evaluated	Number	04	600	550	500	450	400
				Germplasm lines tested under multi-location testing	Number	04	80	70	60	50	40
				Lines identified for unique traits	Number	04	7	5	6	4	3
			Development of improved cultivars	Entries contributed for multi-location trial	Number	13	35	32	30	28	26
				Varieties identified for release	Number	12	2	1	0	0	0
			Seed production programme	Breeder seed produced	Tonnes	12	1800	1600	1400	1200	1100
2	Development and identification of appropriate crop production & protection technologies	24	Development of new technologies	New technologies tested	Number	12	6	5	4	3	2
				Technologies recommended	Number	12	2	1	0	0	0
3	Technology dissemination and capacity building	16	Demonstrations conducted	Front line demonstrations conducted	Number	8	700	650	600	550	500
			Farmers/ Extension	Trainings organized	Number	8	50	45	40	35	30

			officials training programmes organized								
Efficient Functioning of the RFD System	3	Timely submission of Draft RFD (2013-14) for approval	On-time submission	Date	2.00	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	1.00	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	%	2.00	100	95	90	85	80	
		Prepare an action plan for Innovation	On-time submission	Date	2.00	30/07/2013	10/08/2013	20/08/2013	30/08/2013	10/09/2013	
Improving internal efficiency /responsiveness / service delivery of Ministry / Department	4	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2.00	100	95	90	85	80	
			Independent Audit of implementation of public grievance redressal system	%	2.00	100	95	90	85	80	

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**Section 3:  
Trend Values of the Success Indicators**

S. No.	Objective	Actions	Success Indicators	Unit	Actual Value for FY 11-12	Actual Value for FY 12-13	Target Value for FY 13-14	Projected Value for FY 14-15	Projected Value for FY 15-16
1.	Genetic enhancement and development of improved cultivars	Evaluation of genetic material	Breeding and germplasm lines evaluated	Number	400	450	550	550	600
			Germplasm lines tested under multi-location testing	Number	0	100	70	100	120
			Lines identified for unique traits	Number	0	7	5	7	8
		Development of improved cultivars	Entries contributed for multi-location trial	Number	38	37	32	35	38
			Varieties identified for release	Number	1	2	1	1	1
		Seed production programme	Breeder seed produced	Tonnes	2100	2200	1600	1800	1850
2.	Development and identification of appropriate crop production & protection technologies	Development of new technologies	New technologies tested	Number	4	4	5	6	6
			Technologies recommended	Number	1	1	1	2	2
3.	Technology dissemination and capacity building	Demonstrations conducted	Front line demonstrations conducted	Number	700	755	650	750	800
		Farmers/ Extension officials training programmes organized	Trainings organized	Number	38	94	45	50	55
	Efficient Functioning of	Timely submission of	On-time submission	Date	4/05/2012	15/04/2013	15/04/2014	15/04/2015	15/04/2016

	the RFD System	Draft RFD (2013-14) for approval							
		Timely submission of Results for RFD (2012-13)	On-time submission	Date	13/06/2011	06/02/2013	15/05/2014	15/05/2015	15/05/2016
	Administrative Reforms	Implement ISO 9001 as per the approved action plan.	% Implementation	%	0	0	95	95	95
		Prepare an action plan for Innovation	On-time submission	Date	0	0	26/06/2013	20/08/2014	20/08/2015
	Improving internal efficiency /responsiveness / service delivery of Ministry / Department	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	0	0	95	95	95
			Independent Audit of implementation of public grievance redressal system	%	0	0	95	95	95

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**Section 4:**

**Description and definition of success indicators and proposed measurement methodology**

<b>S. No.</b>	<b>Success Indicator</b>	<b>Description</b>	<b>Definition</b>	<b>Measurement</b>	<b>General comments</b>
1.	Breeding and germplasm lines evaluated	DSR and AICRPS evaluates new developed breeding/ germplasm lines through multi-year, multi-locational trials.	Breeding lines and germplasm are the building blocks for development of varieties.	Number of lines evaluated	
2.	Germplasm lines tested under multi-location testing	New germplasm lines are to be identified to integrate in ongoing breeding programmes.	Germplasm lines would be identified on the basis of multilocational evaluation.	Number of lines evaluated	
3.	Lines identified for unique traits	DSR serves as National Repository of soybean germplasm.	Donor lines identified for unique traits would be exploited in breeding programmes.	Number of lines evaluated	
4.	Entries contributed for multi-location trial	Efficiency of breeding programmes could be judge by number of breeding lines developed.	The breeding lines developed at centres need to be evaluated under AICRPS testing for their further consideration.	Number of entries tested	
5.	Varieties identified for release	AICRPS Annual Group Meeting identifies promising breeding lines that have performed consistently well over locations and seasons.	Consistent superior lines are identified for further consideration of CVRC to be released as varieties.	Number identified	
6.	Breeder seed produced	Quality seed is an essential component of any improved crop production regime.	The amount of quality seed produced reflects on the seed replacement rate in a crop.	Amount of seed produced.	
7.	New technologies tested	In view of new challenges, new production and protection technologies are required to mitigate them.	A number of new production and protection technologies are evaluated every year so as to test their efficacy.	Number of new technologies evaluated.	
8.	Technologies recommended	Successful production and protection technologies are identified on the basis of their consistent superior performance.	Identified new production and protection technologies over years and locations are recommended to farmers.	Number of technologies recommended	
9.	Front line demonstrations conducted	Frontline demonstrations are the launch vehicle of any new crop husbandry technology.	Number of trials are conducted at farmers field to demonstrate new technologies.	Number of FLDs conducted	
10.	Trainings organized	Farmers and extension workers need to be trained about new development in soybean varieties, production and protection technologies.	A number of in house and out station programmes are conducted to create awareness among farmers and extension machinery.	Number of trainings organized.	

**Section 4: Acronyms**

<b>S.No.</b>	<b>Acronym</b>	<b>Description</b>
1.	DSR	Directorate of Soybean Research
2.	AICRPS	All India Coordinated Research Project on Soybean
3.	CVRC	Central Varietal Release Committee
4.	FLD	Frontline Demonstrations
5.	SAUs	State Agricultural Universities
6.	DAC	Department of Agriculture & Cooperation
7.	PGP	Plant Growth Promoting

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**Section 5. Specific performance requirement from other departments**

<b>Location Type</b>	<b>State</b>	<b>Organization Type</b>	<b>Organization Name</b>	<b>Relevant Success Indicator</b>	<b>What is your requirement from this organization</b>	<b>Justification for this requirement</b>	<b>Please quantify your requirement from this organization</b>	<b>What happens if your requirement is not met</b>
Agro-ecological zones	Different states	SAUs	SAUs	Varieties identified for release	Development and identification of superior genotypes	It is a joint assignment.	New varieties	More or less number of varieties would be identified.
Agro-ecological zones	Different states	SAUs	SAUs	New technologies tested	Number of new technologies developed	It is a joint assignment.	New technologies	More or less number of technologies would be identified.
Agro-ecological zones	Different states	DAC	DAC	Breeder seed produced	Seed indent to be provided by DAC	The amount of breeder seed produced depends on indent	Quantity of breeder seed	More or less quantity of breeder seed would be produced.
		SAUs	SAUs	Breeder seed produced	Quantum of the breeder seed produced by SAUs	Quantity of breeder seed produced depends on performance of individual SAUs centres.	Quantity of breeder seed	More or less quantity of breeder seed would be produced.

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### Section 6: Outcome/Impact of organization

S. No.	Outcome/Impact of organization	Jointly responsible for influencing this outcome with the following Departments/Ministry(ies)	Success indicators	Unit	2011-12	2012-13	2013-14	2014-15	2015-16
1.	Enhanced availability of quality seeds	SAUs, DAC	Increase in breeder seed production	%	15	3	4	5	5
2.	Diversification of soybean varieties	SAUs	Identification of new varieties	Number	2	2	3	3	3
			Breeding lines evaluated	Number	35	40	45	50	50
			New cross combinations effected	Number	55	65	75	80	80
3.	Zone specific efficient production technologies	SAUs, State Deptts. of Agriculture	New Interventions assessed	Number	2	3	4	4	4
			Identification of high efficacy PGP Microbes	Number	3	03	04	05	05