

## Annual (April 1, 2012 to March 31, 2013) Performance Evaluation Report in respect of RFD 2012-2013 of RSCs i.e. Institutes

Name of the Division: Crop Science Division

Name of the Institution: Central Institute for Cotton Research, Nagpur

RFD Nodal Officer: Dr. M.V. Venugopalan

Objectives	Weight (%)	Actions	Success Indicators	Unit	Weight (%)	Target/ Criteria Value					Achievements	Performance		Reasons for shortfalls or excessive achievements, if applicable
						Excellent	Very Good	Good	Fair	Poor		Raw Score	Weighted Score	
						100%	90%	80%	70%	60%				
1. To conduct research for discovering and developing new genetic material for enhancing yield, stress tolerance, input use efficiency and fibre quality of cotton.	47	Augmentation, collection, characterization and utilization of cotton genetic resources	Germplasm accessions maintained	number	4	1550	1500	1350	1150	1000	1789	100	4	-
			Germplasm accessions including perennials / land races added to cotton gene bank	number	3	55	50	44	39	33	50	90	2.7	-
			Germplasm lines, varieties and parents of hybrids characterized through DUS	number	2	111	100	89	77	66	100	90	1.8	-
			Genotypes characterized through DNA finger printing	number	2	44	40	35	31	26	44	100	2	-

Objectives	Weight (%)	Actions	Success Indicators	Unit	Weight (%)	Target/ Criteria Value					Achievements	Performance		Reasons for shortfalls or excessive achievements, if applicable
						Excellent	Very Good	Good	Fair	Poor		Raw Score	Weighted Score	
						100%	90%	80%	70%	60%				
		Evaluation of cotton genetic resources/ improved varieties for suitable crop husbandry practices	Germplasm lines evaluated for adaptability and stress response	number	5	620	600	590	570	550	5020	100	5	One time evaluation for water logging based on IRC Decisions
			Advance breeding material evaluated for adaptability and stress response	number	3	20	19	16	14	12	25	100	3	-
		Discovery of novel genes to combat stress and improve fibre quality / production	New genes discovered	number	4	3	2	1	0	0	3	100	4	-
			New transgenic events developed and registered with RCGM	number	6	33	30	26	23	20	33	100	6	-
			Informative markers identified	number	2	18	15	13	12	10	15	90	1.8	-
			Validation of association of markers available in public domain with desired traits	number	2	3	2	1	0	0	3	100	2	-
			Lines developed through marker assisted breeding	number	1	2	1	0	0	0	0	0	0	-
		Development of improved varieties to suit diverse cotton production ecologies / situations	Advanced cultures developed	number	2	65	60	55	50	45	72	100	2	-
			Promising cultures sponsored for AICCIP	number	3	37	30	28	27	25	37	100	3	-
			Varieties released / proposals submitted	number	2	2	1	0	0	0	1	90	1.8	-

Objectives	Weight (%)	Actions	Success Indicators	Unit	Weight (%)	Target/ Criteria Value					Achievements	Performance		Reasons for shortfalls or excessive achievements, if applicable
						Excellent	Very Good	Good	Fair	Poor		Raw Score	Weighted Score	
						100%	90%	80%	70%	60%				
		Development / identification of novel / promising germplasm / genetic stock / breeding lines	Germplasm / genetic stock / breeding lines registered with NBPGR	number	2	3	2	1	0	0	4	100	2	-
		Production of nucleus / breeder 's seeds of cotton / formulations	Quantity of nucleus seed produced	kg	2	55	50	44	39	33	85	100	2	-
			Quantity of breeder seed produced	kg	2	550	525	515	505	500	1610	100	2	To revive the seed chain for HDPS trials
2. To develop efficient, eco-friendly crop husbandry tools for improved cotton genotypes for diverse agro-ecologies	41	Crop husbandry tools for improved cotton varieties / hybrids	Production technologies developed	number	5	5	4	3	2	1	4	90	4.5	-
			Implements designed / fabricated/ tested and validated	number	4	4	3	2	1	0	3	90	3.6	-
			Simulation/ stochastic / prediction / forecasting models	number	3	3	2	1	0	0	2	90	2.7	-
		Tools of suppression of stresses due to biotic and abiotic factors	Districts monitored for insect pest / disease infestation	number	5	43	41	39	37	35	41	90	4.5	-
			Populations monitored for insect resistance to insecticides and Bt toxins	number	6	42	40	38	36	34	42	100	6	-

Objectives	Weight (%)	Actions	Success Indicators	Unit	Weight (%)	Target/ Criteria Value					Achievements	Performance		Reasons for shortfalls or excessive achievements, if applicable
						Excellent	Very Good	Good	Fair	Poor		Raw Score	Weighted Score	
						100%	90%	80%	70%	60%				
			New crop protection technologies developed	number	6	6	5	4	3	2	6	100	6	-
			Techniques to combat abiotic stresses, drought, water logging, salinity/ alkalinity / leaf reddening / high temperature etc.	number	4	9	8	7	5	4	8	90	3.6	-
		Products / processes disseminated, commercialized and patents filed	Technologies disseminated	number	4	6	5	3	2	1	5	90	3.6	-
			Products / processes commercialized	number	2	3	2	1	0	0	2	90	1.8	-
			Patents filed	number	2	2	1	0	0	0	1	90	1.8	-
*Efficient functioning of the RFD System	3	Timely submission of RFD for 2012-13	On-time submission	date	2	Mar. 23 2012	Mar. 26 2012	Mar. 27 2012	Mar. 28 2012	Mar.29 2012	May 23,2012	0	0	-
		Timely submission of Results	On- time submission	date	1	May-01 2013	May-02 2013	May-03 2013	May-06 2013	May-07 2013	May 01,2013	100	1	-
Administrative Reforms	5	Implement ISO 9001	Prepare ISO 9001 action plan	date	1	June 4 2012	June 5 2012	June 6 2012	June 7 2012	June 8 2012	June 1, 2012	100	1	-
			Implementation of ISO 9001 action plan	date	2	Mar 25 2013	Mar 26 2013	Mar 27 2013	Mar 28 2013	Mar 29 2013	Nil	0	0	-
		Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	2	100	95	90	85	80	95	90	1.8	-

Objectives	Weight (%)	Actions	Success Indicators	Unit	Weight (%)	Target/ Criteria Value					Achievements	Performance		Reasons for shortfalls or excessive achievements, if applicable
						Excellent	Very Good	Good	Fair	Poor		Raw Score	Weighted Score	
						100%	90%	80%	70%	60%				
Improving Internal Efficiency /responsiveness service delivery of Ministry /Department	4	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	2	100	95	90	85	80	100	100	2	-
			Independent Audit of implementation of public grievance redressal system	%	2	100	95	90	85	80	100	100	2	-
TOTAL WEIGHT=					100%									

**Total Composite Score: 91.0**

***Rating: Very Good***

**Procedure for computing the Weighted and Composite Score**

- 1. Weighted Score of a Success Indicator = Weight of the corresponding Success Indicator x Raw Score / 100**
- 2. Total Composite Score = Sum of Weighted Scores of all the Success Indicators**