



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

**for**

**Central Institute for Research on Cotton Technology**

**(2014 –2015)**

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

### **Vision**

- Global Excellence in Cotton Technology

### **Mission**

- To provide scientific and managerial interventions to post-harvest processing and value addition to cotton and other natural fibres and utilization of their by-products to maximize economic, environmental and societal benefits.

### **Objectives**

1. Development of post-harvest technologies and machinery for better utilization of cotton, other textile fibres and their by-products.
2. Quality evaluation and improvement of Indian cottons and their value added products
3. Technology transfer, training, consultancy and IPR management

### **Functions**

1. To function as a centre of R & D excellence and technology provider for processing and value addition of cotton and other related natural fibres, their blends and by-products.
2. To act as an interface between cotton breeder and industry by providing technology support to both; to function as an accredited referral laboratory for textile testing.
3. To provide need based training and entrepreneurship development programmes.

**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	Very good	Good	Fair	Poor
							100%	90%	80%	70%	60%
1.	Development of post-harvest technologies and machinery for better utilization of cotton, other textile fibres and their by-products	40	Development of process protocols for cotton and blended textiles	Process protocols developed	Number	22	8	7	6	5	4
			Development of value added products	Value added products developed	Number	18	5	4	3	2	1
2.	Quality evaluation and improvement of Indian cottons and their value added products	20	Evaluation of breeders' samples as per CIRCOT norms	Breeders' samples evaluated	Number	12	10200	8500	6800	5100	3400
			Evaluation of commercial samples	Commercial samples evaluated	Number	8	9600	8000	6400	4800	3200
3.	Technology transfer, training, consultancy and IPR management	20	Patent/commercialisation /partnership	Patent specifications filed/MOU signed/ renewed	Number	7	8	7	6	5	4
			Training to industry personnel	Training programmes conducted on ginning & fibre technology	Number	7	18	15	12	9	6
			Demonstration of technologies	Demonstration/ exhibitions/	Number	6	17	14	11	8	5

				awareness meets organised/ participated							
*	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	June 30, 2014	July 2, 2014	July 4, 2014	July 7, 2014	July 9, 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
			Implementation of agreed milestones of	% of Implementation	%	1	100	90	80	70	60

			approved Mitigating Strategies for Reduction of potential risk of corruption (MSC)								
			Implementation of agreed milestones for ISO 9001	% of implementation	%	2	100	95	90	85	80
			Implementation 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 FY12/13	Actual Value for FY13/14	Target Value for FY14/15	Projected Value for FY15/16	Projected Value for FY16/17
1.	Development of post-harvest technologies and machinery for better utilization of cotton, other textile fibres and their by-products	Development of process protocols for cotton and blended textiles	Process protocols developed	Number	7	7	7	8	8
		Development of value added products	Value added products developed	Number	6	5	4	5	5
2.	Quality evaluation and improvement of Indian cottons and their value added products	Evaluation of breeders' samples as per CIRCOT norms	Breeders' samples evaluated	Number	23611	15259	8500	9000	9500
		Evaluation of commercial samples	Commercial samples evaluated	Number	9740	11886	8000	8500	9000
3.	Technology transfer, training, consultancy and IPR management	Patent/commercialisation/partnership	Patent specifications filed/MOU signed/renewed	Number	11	8	7	7	7
		Training to industry personnel	Training programmes conducted on ginning & fibre technology	Number	18	15	15	15	15
		Demonstration of technologies	Demonstration/exhibitions/awareness meets organised/participated	Number	13	20	14	15	16
*	Publication/Documentation	Publication of the research articles in	Research articles published	No.	5	6	4	5	7

		the journals having the NAAS rating of 6.0 and above							
		Timely publication of the Institute Annual Report (2013-2014)	Annual Report published	Date			July 2, 2014		
*	Fiscal resource management	Utilization of released plan fund	Plan fund utilized	%	99.90	98.69	96.00	100	100
	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	Date	Date			Nov.2 2014		

		priorities							
		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		



**Section 4(a): Acronyms**

<b>S. No.</b>	<b>Acronym</b>	<b>Description</b>
1	AICCIP	All India Co-ordinated Cotton Improvement Project
2	SAU	State Agricultural University
3	MoU	Memorandum of Understanding
4	CSP	Count Strength Product
5	IPR	Intellectual Property Right
6	R&D	Research and Development
7	CIRCOT	Central Institute for Research on Cotton Technology

**Section 4(b): 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.	Process protocols developed	Methodology to carry out a process	Development of methods to complete a process	Quality of process	Nil
2.	Value added products developed	Development of new products from the cotton and other natural fibres	Research work for development of different value added products	End-product	Nil
3.	Breeders' samples evaluated	Type of fibre, yarn and fabric prepared from samples received from breeders	Testing of quality parameters	Length, fineness, uniformity, strength, Count, Count strength Product (CSP)	Nil
4.	Commercial samples evaluated	Type of fibre, yarn and fabric prepared from samples received from industry	Testing of quality parameters	Length, fineness, uniformity, strength, Count Strength Product (CSP), yarn evenness, fabric construction and handle	Nil
5.	Patent specifications filed/MOU signed/renewed	Filing of patents and signing of MOU with entrepreneurs based on research work	Development and licensing of new innovative process or product that has commercial application	Number of patents/MOU signed	Nil
6.	Training programmes conducted on ginning	Organization of paid training programmes for	Capacity building of cotton trade and ginning industry	Number of training programmes and personnel	Nil

	& fibre technology	personnel in cotton trade and industry	sector	trained	
7.	Demonstration/ exhibitions/ awareness meets organised/ participated	Organisation and participation in demonstration/ exhibitions/ awareness meets for technology transfer	Creation of awareness and transfer of technologies to end users	Number of exhibitions/demonstration/ awareness meets organized	Nil

**Section 5: Specific performance requirements from other departments that are critical for delivering agreed results**

<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>
Cotton Research Station	All States	Research (Government and Private)	SAU, AICCIP	Breeders' samples evaluated	Fibre samples from cotton breeders for evaluation	Development of new varieties and improvement of Indian cottons	10200	Availability of quality cotton commensurate with industry requirement will suffer
Textile Industry	All States	Private Industry	Ginning, Spinning and Textile Mills	Commercial samples evaluated	Fibre, yarn, fabric and made up samples from industry for evaluation	Technology support to cotton trade and industry for quality assurance	9600	Quality assurance to the industry will be affected. Revenue generation of CIRCOT will deplete
Ginning Industry	All States	Private Industry	Cotton Ginning Industry	Training programmes conducted on ginning & fibre technology	Participants sponsored for training	Creation of trained manpower for efficient functioning of industry	18	Skilled and efficient manpower required by industry will reduce

**Section 6: Outcome / Impact of activities of Department/Ministry**

<b>S. No.</b>	<b>Outcome / Impact</b>	<b>Jointly responsible for influencing this outcome / impact with the following organisation (s) / department(s)/ministry(ies)</b>	<b>Success Indicator (s)</b>	<b>Unit</b>	<b>2012-2013</b>	<b>2013-2014</b>	<b>2014-2015</b>	<b>2015-2016</b>	<b>2016-2017</b>
1	Post-harvest processing technologies for cotton and by-products	Agro-processing industries processing cotton seed and stalks	Increase in value addition to cotton seed and plant by-products	%	3	3	4	4	5
2	Improved cotton quality	Office of the Textile Commissioner, Directorate of Cotton Development, Ginning and Textile mills	Increase in domestic consumption of cotton	%	2	2	3	3	4
3	Enhanced availability of quality human resource for cotton trade and ginning industry	Research Associations under Ministry of Textiles, Department of Textiles under State Government, Private gin machinery manufacturers	Increase in capacity building in cotton trade and ginning industry	%	4	4	5	5	5