



Results-Framework Document

(R F D)

For

Central Institute for Research on Cotton Technology,

Mumbai

(2011 –2012)

Section 1: Vision, Mission, Objectives and Functions

Vision

Cotton Technology for Prosperity, Environment and Security.

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. Assessment, evaluation and improvement of quality of Indian cottons and cotton products.
3. Strengthening technology transfer activities and promotion of training, education, 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

Objectives	Weight	Actions	Success Indicators	Unit	Weight	Target/criteria value				
						Excellent 100%	Very good 90%	Good 80%	Fair 70%	Poor 60%
Development of post-harvest technologies and machinery for better utilization of cotton, other textile fibres and their by-products.	32	Development of machinery and technology	Development of technology and machines	Number	32	14	13	12	11	10
Assessment, evaluation and improvement of quality of Indian cottons and cotton products	30	Lab system/compliance/surveillance audit	Desktop/external/internal accreditation audit for NABL system	Date	10	31/12/11	15/1/12	31/1/12	15/2/12	1/3/12
		Technology support to cotton breeders	Breeders' samples screened for fibre quality	Number	10	7000	6500	6000	5550	5000
		Technology support to industry	Commercial samples tested	Number	10	7500	7000	6000	5500	5000
Strengthening technology transfer activities and promotion of training, education, consultancy and IPR management.	27	Patent/commercialisation/partnership	Specifications filed, MOU signed/renewed	Number	12	7	6	5	4	3
		Training to industry personnel	Conduct of training on ginning & fibre testing & awareness meet	Number	10	11	10	9	8	7

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		Technology demonstration/ exhibition	Demonstration organised/participated & technology exhibition	Number	5	5	4	3	2	1
*Efficient Functioning of the RFD system	07	Timely submission of draft	On-time submission	Date	2	10/06/11	14/06/11	16/06/11	20/06/11	22/06/11
		Timely submission of results	On-time submission	Date	1	01/05/12	03/05/12	04/05/12	05/05/12	6/05/12
		Finalize a strategic plan for CIRCOT	Finalize the strategic plan for next 5 years	Date	2	10/12/11	15/12/11	20/12/11	24/12/11	31/12/11
		Identify potential areas of corruption related to organisation activities and develop an action plan to mitigate them	Finalize an action plan to mitigate potential areas of corruption	Date	2	10/12/11	15/12/11	20/12/11	24/12/11	31/12/11
Implementation of Sevottam	04	Create a Sevottam compliant system to implement, monitor and review Citizen's	Timely creation	Date	2	10/12/11	15/12/11	20/12/11	24/12/11	31/12/11

		Charter								
		Create a Sevottam Compliant system to redress and monitor Public Grievances	Timely creation	Date	2	10/12/11	15/12/11	20/12/ 11	24/1 2/11	31/12/ 11

*mandatory

Section 3: Trend Values of the success indicators

Objective	Actions	Success Indicator	Unit	Actual Value for FY09/10	Actual Value for FY10/11	Target Value for FY11/12	Projected Value for FY12/13	Projected Value for FY13/14
Development of post-harvest technologies and machinery for better utilization of cotton, other textile fibres and their by-products.	Development of machinery and technology	Development of technologies & machines	Number	12	12	13	13	14
Assessment, evaluation and improvement of quality of Indian cottons and cotton products	Lab system/compliance/surveillance audit	Desktop/External/Internal accreditation audit for NABL system	Date	17/1/10	2/1/11	15/1/12	31/12/12	31/12/13
	Technology support to cotton breeders	Breeders' samples screened for fibre quality	Number	6172	5411	6500	6550	6600
	Technology support to industry	Commercial samples tested	Number	13259	11339	7000	7100	7200
Strengthening technology transfer activities and promotion of	Patent/commercialization/partnership	Specifications filed, MOU signed/renewed	Number	6	8	6	7	7
	Training to industry personnel	Conduct of training on ginning & fibre testing & awareness meet	Number	16	10	10	12	15

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training, education, consultancy and IPR management.	Technology demonstration/exhibition	Demonstration organised/participated & technology exhibition	Number	3	4	3	5	5
Efficient Functioning of the RFD system	Timely submission of draft	On-time submission of draft	Date	-	-	14/06/11	-	-
	Timely submission of result	On-time submission of result	Date	-	-	03/05/12	-	-
	Finalize a strategic plan for CIRCOT	Finalize the Strategic Plan for next 5 years	Date	-	-	15/12/11	-	-
	Identify potential areas of corruption related to organisation activities and develop an action plan to mitigate them	Finalize an action plan to mitigate potential areas of corruption	Date	-	-	15/12/11	-	-
Implementation of Sevottam	Create a Sevottam compliant system to implement, monitor and review Citizen's Charter	Create a Sevottam Compliant system to implement, monitor and review Citizen's Charter	Date	-	-	15/12/11	-	-
	Create a Sevottam Compliant system to redress and monitor Public Grievances	Create a Sevottam Compliant system to redress and monitor public Grievances	Date	-	-	15/12/11	-	-

Section 4: Description and Definition of Success Indicators and Proposed Measurement Methodology

Objective 1:

In order to improve processing technology in terms of cost effectiveness, energy conservation, eco-friendliness, productivity and product quality, and continuous research effort needed to develop new processes, refinement of existing processes and adoption of key technologies. The efficacy of each newly developed, refined or adopted technology is tested in the lab as well user industry and test performance, which varies depending on the technology, is recorded. The success indicator, measured in terms of number of such technology, has been developed.

Objective 2:

The cotton samples are screened initially based on intrinsic properties of fibres such as staple length, strength, micronaire etc. The samples at advance stage of development are assessed for its commercial suitability in terms of spinning value and processing properties. Other textiles are tested from basic properties like unit mass to very sophisticated one like objective hand values as per the industry need. An accredited laboratory management system is practiced for providing authentic test result to the concerned stakeholders. The success indicator is measured in terms of number of samples tested.

Objective 3:

Transfer of technology and IPR management are natural corollary to technology development activity. The success indicator is measured in terms of filing of patent, commercialisation, training and awareness programme conducted.

Section 5: Specific Performance Requirement from Other Departments

1. The number of breeder's cotton sample tested for quality screening depends on the number referred both by the universities and private breeders depending on research activities undertaken by them.
2. The number of commercial samples tested for quality characteristics depends on trade activities, cotton price and fiscal measures, taken by Govt. From time to time.

Section 6: Outcome / Impact of activities of organisation/ministry

S.No	Outcome / Impact of CIRCOT	Jointly responsible for influencing this outcome / impact with the following organisation (s) / departments/ministry(ies)	Success Indicator (s)	Unit	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
1	Quality cotton suitable for Indian Textile Mills	Cotton growers, ginning and pressing industry, Textile Mills, Agriculture related industries and government organisations.	Low trash cottons meeting CIRCOT quality norms.	%	--	--	1.5	1.0	0.5
2	Technologies for better utilisation of cotton fibre and its blends with other allied fibres	Ministry of Textiles, Department of Industrial Policy & Promotion (DIPP), Ministry of Commerce and Industry (MoCI), Govt. of India	Fibre processing machines	Number	---	---	2	2	2
			Blended Eco-friendly fabrics	Number	---	---	2	3	3