



Results-Framework Document (RFD)

for

Central Institute for Research on Cotton Technology,

(2012 –2013)

Address : Adenwala Road, Matunga (East),
Mumbai 400 019

Website ID: <http://www.circot.res.in>

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	Very good	Good	Fair	Poor
						100%	90%	80%	70%	60%
Development of post-harvest technologies and machinery for better utilization of cotton, other textile fibres and their by-products.	31	Development of machinery and technology	Technology and machinery Developed	Number	31	13	12	11	10	9
Assessment, evaluation and improvement of quality of Indian cottons and cotton products	30	Technology support to cotton breeders	Evaluation of Breeders' samples for fibre quality	Number	10	15000	12000	11000	10000	9000
		Technology support to industry	Evaluation of commercial samples for fibre quality	Number	10	7000	6000	5500	5000	4500
		Lab system/compliance/surveillance audit	Desktop/external /internal accreditation audit for NABL system	Date	10	15/12/12	31/12/12	15/1/13	31/1/13	15/2/13
Strengthening technology transfer activities and promotion of	27	Patent/commercialisation/partnership	Specifications filed, MOU signed/renewed	Number	10	5	4	3	2	1
		Training to industry personnel	Conduct of training on ginning & fibre	Number	10	11	10	9	8	7

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training, education, consultancy and IPR management.			testing & awareness meet							
		Technology demonstration/exhibition	Demonstration organised/ participated & technology exhibition	Number	7	10	9	8	7	6
Efficient functioning of the RFD system*	03	Timely submission of RFD for 2012-13	On-time submission	Date	02	23/03/12	26/03/12	27/03/12	28/03/12	29/03/12
		Timely submission of results for 2012-13	On-time submission	Date	01	01/05/13	02/05/13	03/05/13	06/05/13	07/05/13
Administrative reforms	05	Implement ISO 9001	Prepare ISO 9001 action plan	Date	01	04/06/12	05/06/12	06/06/12	07/06/12	08/06/12
			Implementation of ISO 9001 action plan	Date	02	25/03/13	26/03/13	27/03/13	28/03/13	29/03/13
		Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	02	100	95	90	85	80
Improving internal efficiency / responsiveness / service delivery of Ministry / Department	04	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	02	100	95	90	85	80
			Independent Audit of implementation of public grievance redressal system	%	02	100	95	90	85	80

Section 3: Trend values of the success indicators

Objectives	Actions	Success Indicators	Unit	Actual Value for FY10/11	Actual Value for FY11/12	Target Value for FY12/13	Projected Value for FY13/14	Projected Value for FY14/15
Development of post-harvest technologies and machinery for better utilization of cotton, other textile fibres and their by-products.	Development of machinery and technology	Number of technology and machinery developed	Number	12	13	12	12	15
Assessment, evaluation and improvement of quality of Indian cottons and cotton products	Technology support to cotton breeders	Evaluation of Breeders' samples for fibre quality	Number	5411	6500	12000	13000	14000
	Technology support to industry	Evaluation of commercial samples for fibre quality	Number	11339	7000	6000	5500	5000
	Lab system/compliance/surveillance audit	Desktop/external /internal accreditation audit for NABL system	Date	2/01/11	6/01/2012	31/12/12	31/12/13	31/12/14
Strengthening technology transfer activities and promotion of training, education, consultancy and IPR management.	Patent/commercialisation/partnership	Specifications filed, MOU signed/renewed	Number	8	6	4	5	6
	Training to industry personnel	Conduct of training on ginning & fibre testing & awareness meet	Number	10	14	10	12	14
	Technology demonstration/exhibition	Demonstration organised/participated & technology exhibition	Number	4	13	9	10	11
Efficient functioning of the	Timely submission of RFD for 2012-13	On-time submission	Date	--	--	26/03/12	--	--

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RFD system*	Timely submission of results for 2012-13	On-time submission	Date	--	--	02/05/13	--	--
Administrative reforms	Implement ISO 9001	Prepare ISO 9001 action plan	Date	--	--	05/06/12	--	--
		Implementation of ISO 9001 action plan	Date	--	--	26/03/13	--	--
	Implement mitigating strategies for reducing potential risk of corruption	% of implementation	%	--	--	95	--	--
Improving internal efficiency / responsiveness / service delivery of Ministry / Department	Implementation of Sevottam	Independent Audit of Implementation of Citizen's Charter	%	--	--	95	--	--
		Independent Audit of implementation of public grievance redressal system	%	--	--	95	--	--

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	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
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	0.5
2	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	2
			Blended Eco-friendly fabrics	Number	---	2	3	3	3