



# **Training on Spinning of Technical Yarns & Quality Management**



**October 05-07, 2017**

**Organized by**

**ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT)  
D.A.R.E., Ministry of Agriculture & Farmers Welfare, Govt. of India  
Adenwala Road, Matunga, Mumbai 400019 (MS) INDIA**

## Introduction

The ICAR-Central Institute for Research on Cotton Technology (ICAR-CIRCOT), one of the premier constituent institutes of the Indian Council of Agricultural Research (ICAR), was established in the year 1924. The Institute is conducting research and development on all aspects of post-harvest technology of cotton and value addition to cotton by-product with following mandate:

- Basic and strategic research on processing cotton and its agro-residues, development of value added products and quality assessment
- Skill development and business incubation services and function as referral laboratory for cotton fibres.

The Institute has been conducting skill development programmes to propagate, encourage and guide entrepreneurs to successfully adopt and market commercially viable technologies and to equip people with best practices in cotton ginning, quality evaluation of cotton fibres and value addition to by-products.

## About the training programme

Indian spinning industry is one of the biggest in the world with around 50 million spindles & 8 lakh rotors and consumes about 60% of domestic cotton. The spinning industry also produces spun yarns from polyester, viscose, acrylic and blended yarns utilising different fibres. Our country produces one of the best yarns in the world and contributes to about 25% share in world trade of cotton yarn exports. The Technical Textiles is a high technology sunrise sector which is steadily gaining ground in India. The production of technical yarns with required yarn specification is a challenge for spinners. The yarn spinners have to understand the basic and advanced aspects of spinning to cope with the changing dynamics of technical textile industry. Realising this need, CIRCOT conducts a training programme on “**Spinning of Technical Yarns & Quality Management**” with a clear focus on production and quality aspects of technical yarns. This training program is beneficial to cotton breeders, traders, industry personnel, entrepreneurs, academicians and students.

## Objectives

- To impart knowledge on fibre quality and its relation to spinning a superior quality yarn.
- To equip the trainees with knowledge on advanced tools for process control and quality control in spinning.
- To acquaint the trainees about new spinning technologies for yarn production
- To acquaint the trainees about the production of technical and fancy yarns.

## Course content

- Natural & synthetic fibres for spinning
- Fibre quality requirements for spinning
- Ginning of cotton and its impact on fibre quality
- Use of HVI, AFIS and other modern equipment in spinning
- Technical and fancy yarn production
- Process control in spinning & Norms
- Quality management in spinning & Norms
- Machinery advancements in spinning
- Ring, Rotor, Friction & Core spinning systems
- Yarn quality analysis
- Norms for productivity in spinning



## Facilities Available

- Modern instruments for fibre and yarn testing
- Micro spinning system for small samples
- Complete line from Blowroom to Spinning and Winding
- Ring Spinning, Compact System, Core Spinning, Rotor Spinning and Friction Spinning



Spinning Preparatory



Spinning Laboratory



DREF Spinning Machine

## Date and Venue

October 05-07, 2017 at ICAR- Central Institute for Research on Cotton Technology (CIRCOT), Adenwala Road, Matunga (East), Near Five Gardens, Mumbai.

## Accommodation

Guest house accommodation at ICAR-CIRCOT is limited and shall be provided at standard rate on first-come-first-serve basis in sharing basis (A/c) accommodation.

## Fees

The programme fee is Rs. 10,000 + service tax (as applicable) per person. The charges include course fee, course material, breakfast and working lunch. The fee does not include travel, lodging and conveyance and other personal expense. There is 50% concession for students, academicians and participants from NARS.

## How to apply

Interested participants may send their application in the prescribed format which is available on the website [www.circot.res.in](http://www.circot.res.in). The fee in the form of DD drawn/ at par Cheque in favour of “**Director, CIRCOT**” payable at Mumbai, may be sent to the below mentioned address so as to reach us on or before **September 28<sup>th</sup>, 2017**. The bank account detail for NEFT transfer is given below;

Account Name	Director, ICAR-CIRCOT
Bank Name	State Bank of India, Commercial Branch, Dadar East, Mumbai – 400014
Account No.	10001710244
IFSC Code	SBIN0004114

## How to Reach CIRCOT

- From Airport (Domestic) : 10 km  
From Airport (International) : 12 km  
Nearest Railway Station : Dadar (1.7 km)  
Nearby Bus Stops : Kapol Nivas on Dr. B.R. Ambedkar Road, Matunga (E), and Five Gardens Bus Stop  
Landmark : Five Gardens, Matunga

## Organizers

- Course Director : Dr. P. G. Patil, Director, ICAR-CIRCOT  
Course Coordinators : Er. G. Krishna Prasad, Scientist, MPD  
Dr. T. Senthilkumar, Scientist, MPD  
Dr. R. Guruprasad, Scientist, MPD

## Address for correspondence

Er. Ashok Kumar Bharimalla  
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*The Spinning Wheel is as much a necessity  
of Indian life as air and water*

**M. K. Gandhi...**

