



GOVERNMENT OF INDIA  
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP  
DIRECTORATE GENERAL OF TRAINING

**COMPETENCY BASED CURRICULUM**

**CERTIFICATE COURSE ON**

# **CLOTHING ARTISAN**



**NSQF LEVEL- 4**

**SECTOR : APPAREL**

# CLOTHING ARTISAN

**Duration: 480 Hours**

**NSQF LEVEL - 4**

**(Version: 1.0)**

**Designed in 2020**

**Developed By**

Ministry of Skill Development and Entrepreneurship  
Directorate General of Training  
**Sectoral Trade Course Committee of Apparel Sector**  
&  
**CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE**  
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## CONTENTS

S No.	Topics	Page No.
1.	Course Information	1-2
2.	Job Role	3
3.	General Information	4
4.	Learning Outcome	5
5.	Trade Syllabus	6-8
6.	Assessment Criteria	9-10
7.	Annexure I - List of Trade Tools & Equipment	11-12
8.	Annexure II - List of Trade experts	13-14

## 1. COURSE INFORMATION

### 1.1 GENERAL

The Directorate General of Training (DGT) under Ministry of Skill Development & Entrepreneurship offers a range of vocational training courses catering to the need of different sectors of the economy/ labour market. The vocational training programs of short term duration are intended for up skilling of NTC/ NAC pass out candidates. After passing out of the course, the trainee is awarded a competency based certificate approved by DGT.

The main objective of this Short-term course is to create workforce of clothing Artisan. This course has been framed to study the construction techniques and Grading Techniques by using different fabrics, applicable stitches & effects, such as types of grain and yarn wise texture recognition. The candidate learns drafting, marking, cutting, stitching, various seam, stitch, Finishing work, etc. as well as uses decorative embellishments, style rendering skills, etc.

### 1.2 PROGRESSION PATHWAYS

- Progression for this up-skilling programme will remain same as that of base trades for which this course is designed.
- Can become entrepreneur.
- Can join as sample maker/checker/stitching superiors/cutting master

### 1.3 COURSE STRUCTURE

Table below depicts the distribution of training hours across various course elements during a period of 6 weeks: -

S No.	Course Element	Notional Training Hours
1.	Professional Skill (Trade Practical)	360
2.	Professional Knowledge (Trade Theory)	120
	<b>Total</b>	<b>480</b>

### 1.3 ASSESSMENT & CERTIFICATION

The trainee will be tested for his skill, knowledge and attitude during the period of course through formative assessment and at the end of the training programme through summative assessment as notified by the DGT from time to time.

a) The Continuous Assessment (Internal) during the period of training will be done by Formative Assessment Method by testing for assessment criteria listed against learning outcomes. The training institute has to maintain an individual trainee portfolio as detailed in assessment guideline.

b) The pattern and marking structure is being notified by DGT from time to time. The learning outcome and assessment criteria will be the basis for setting question papers for final assessment.

c) Assessment will be evidence based comprising the following:

- Job carried out in labs/workshop/Field
- Answer sheet of assessment
- Viva-voce
- Participation and punctuality

Evidences of internal assessments are to be preserved until forthcoming Block examination for audit and verification by examining body.

d) The minimum pass percentage for skill test is 60%.

## 2. JOB ROLE

### Brief description of Job roles:

Clothing Artisan who knows construction techniques is responsible for creating style design along with the pattern making, grading transferring to fabric. He /She use variety of sewing techniques and create Variation in style features & make classified garments like formals, party wears. Application and required Clothing Artisan potential to become Entrepreneur

**Designer; Pattern Maker (Garments);** develops, designs and makes pattern for new styles of men's, women's and children's garments. Studies existing styles, develops new ideas and draws out full scale drawing of garments on paper. Marks and cuts out paper patterns of different parts of garments. Gets cloth cut according to paper patterns and gets sample garment stitched as required. Tries garment on model and makes changes in pattern, if necessary. May make specifications and supervise production

**Sewer, Hand;** Hemming Boy sews together by hands parts of textile, fur and leather garments, furnishing and other textile and fur products using needle and thread. May repair garments, stitch buttons and do decorative stitching. May be designated according to type of article or material stitched such as Sewer, Hand (Fur); Sewer, Hand (Garments); etc.

**Sewing Machine Operator, General;** Stitcher Machine (Textile and Fur products) operates sewing machine to join pieces of cloth, hosiery fabric, canvas, fur and leather for making garments, bags, upholstery and other textile and fur products. Places spools of required type and colour of thread and winds bobbins on machine. Draws thread under tension spring and through guides into eye of needle. Adjusts tension on thread and sets number of stitches per inch if necessary. Raises pressure foot of machine to admit material to be sewed and lowers pressure foot on material. Starts machine and guides material to be sewed under needle of machine. Observes stitches while sewing. Stops machine, breaks and cuts threads and removes sewed material. Replaces empty spool and bobbin with full ones as and when necessary. Cleans and oils machine. May remove minor faults and assist in repairs and overhauling of sewing machine. May set and attach special gadgets to machine for having special type of stitches. May be designated according to type of machine operated such as Blind Stitch Machine Operator; Zig-Zag Machine Operator; Bar Tacking Machine Operator; Turning and Pressing Machine Operator; Shoulder Strap Turning Machine Operator; Postbed Machine Operator; Double Needle Sewing Machine Operator; etc.

### Reference NCO Code:

- 7532.0100 - Designer (Garment)
- 7533.0100 - Sewer, Hand
- 8153.0101 - Sewing Machine Operator, General

### 3. GENERAL INFORMATION

<b>Name of the Trade</b>	<b>CLOTHING ARTISAN</b>	
<b>Trade Code</b>	<b>DGT/8001</b>	
<b>Reference NCO - 2015</b>	7532.0100, 7533.0100, 8153.0101	
<b>NSQF Level</b>	Level 4	
<b>Duration of Craftsmen Training</b>	480 Hours	
<b>Entry Qualification</b>	Passed 8 <sup>th</sup> Class	
<b>Unit Strength (No. of Student)</b>	25	
<b>Space Norms</b>	65 Sq. m	
<b>Power Norms</b>	6 KW	
<b>Instructor Qualification</b>	NTC/NAC/Diploma/Degree in relevant trade from recognized university/ board/ institute with minimum two years experience in apparel sector.	
<b>List of Tools and Equipment</b>	As per Annexure – I	
<b>Distribution of training on hourly basis: (Indicative only)</b>		
<b>Total Hrs./ Week</b>	<b>Trade practical</b>	<b>Trade theory</b>
40	30	10

## 4. LEARNING OUTCOME

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***Learning outcomes are a reflection of total competencies of a trainee and assessment will be carried out as per the assessment criteria.***

### 4.1 LEARNING OUTCOMES

1. Develop manual pattern and graded pattern with application of dart-fitting-semi fitted-loose, patterns on basic level.
2. Explain pattern making, make pattern of various size of (graded) pattern, and calculate fabric consumption by marker making.
3. Design and demonstrate construction and the garment variation make technical change in garments sizes.
4. Recognize the significance of surface embellishment techniques on textiles as value addition with the use of different, textures, and needlecraft techniques with the knowledge of related trade terminologies.
5. Demonstrate design of garments through Flat Drafting with cutting stitching and finishing of various children garment and women garment.
6. Demonstrate drafting, cutting, stitching and finishing of various Kid and gents
7. Garments. Use of gussets, panels cuts, plackets. Make pattern, marking, collection of pattern variation and presentation techniques.
8. Use advanced techniques in garments production with application of activities for design using various patterns and making of features style with different looks as per market demand.
9. Demonstrate drafting, cutting, stitching and finishing of Indo- western garment.
10. Make garment by using application of mass production in systematic way.



SYLLABUS – CLOTHING ARTISAN			
Duration: 480 Hours			
Duration	Reference Learning outcome	Professional Skills (Trade Practical)	Professional Knowledge (Trade Theory)
Professional skills-15 Hrs Professional Knowledge-05 Hrs	Develop manual pattern and graded pattern with application of dart-fitting-semi fitted-loose, patterns on basic level.	<ol style="list-style-type: none"> <li>1. Demonstrate Pattern making, drafting and marking.</li> <li>2. Practice of construction lines, units of measurements and use of hand tools.</li> <li>3. Practice on sewing machine</li> </ol>	Introduction of Garments- and its component Introduction - drafting, cutting tools. <ul style="list-style-type: none"> <li>• Introduction to Sewing technology</li> </ul>
Professional skills-15 Hrs Professional Knowledge-05 Hrs	Explain pattern making, make pattern of various size of (graded) pattern, and calculate fabric consumption by marker making.	<ol style="list-style-type: none"> <li>4. Introduction to Lay Out (use final Pattern Application)               <ul style="list-style-type: none"> <li>• Pattern drafting</li> <li>• Layout planning(marker making)</li> <li>• Marker theme</li> <li>• Utilization of fabric- grain wise pattern cutting - Making of baby set</li> </ul> </li> </ol>	Trade Terminology. <ul style="list-style-type: none"> <li>- Role of classified garment in industries</li> <li>- Introduction to Pattern Making in Apparel               <ul style="list-style-type: none"> <li>• Pattern drafting</li> <li>• Layout planning(marker making)</li> <li>• Measurement chart</li> <li>• Pattern –Style Features (Recognition and application)</li> </ul> </li> </ul>
Professional skills-30 Hrs Professional Knowledge-10 Hrs	Design and demonstrate construction and the garment variation make technical change in garments sizes.	<ol style="list-style-type: none"> <li>5. Styling and features creation by Rendering.</li> <li>6. Making of Frocks-Tunic</li> <li>7. Style adaptation as per fabric selection.               <ul style="list-style-type: none"> <li>• Textures. (Application in production of garments.)</li> </ul> </li> </ol>	Introduction to <ul style="list-style-type: none"> <li>• Various Machine in garment manufacturing</li> <li>• Parts and attachments</li> <li>• Machine Maintenance at place.</li> </ul>
Professional skills-30 Hrs Professional Knowledge-10 Hrs	Recognize the significance of surface embellishment techniques on textiles as value addition with the use of different,	<ol style="list-style-type: none"> <li>8. Sample development – Fabric fasteners attachments Techniques with contemporary latest style and trend. Making of Nighty               <ul style="list-style-type: none"> <li>• fagoting</li> </ul> </li> </ol>	Fabric Embellishment Techniques: <ul style="list-style-type: none"> <li>• fasteners Accessories</li> <li>• methods and application</li> <li>• Hand and machine</li> </ul>

	textures, and needlecraft techniques with the knowledge of related trade terminologies.	<ul style="list-style-type: none"> <li>• cording</li> <li>• loops and buttons</li> <li>• Quilting</li> </ul>	technics
Professional skills - 45 Hrs Professional Knowledge- 15 Hrs	Demonstrate design of garments through Flat Drafting with cutting stitching and finishing of various children garment and women garment.	<p>9. Creating designs through analyzing style features.</p> <p>10. Making of skirt-top</p> <ul style="list-style-type: none"> <li>• Style lines</li> <li>• Cowls</li> <li>• Collars</li> <li>• Bias Cut Dresses</li> </ul> <p>11. Necklines and armhole variations.</p>	<p>Tools &amp; equipment, their application. Necklines and style variations</p> <ul style="list-style-type: none"> <li>• Style lines</li> <li>• Cowls</li> <li>• Fitting technics</li> <li>• Collars</li> <li>• Bias Cut pattern in</li> <li>• Women clothing</li> </ul>
Professional skills-45 Hrs Professional Knowledge- 15 Hrs	Demonstrate drafting, cutting, stitching and finishing of various Kid and gents Garments. Use of gussets, panels cuts, plackets.	<p>12. Drafting, cutting stitching, finishing of various patterns making-lowers-Chudidar</p> <p>13. Evaluate fit of garment.</p> <p>14. Drafting, cutting stitching, finishing of basic shirt(upper bodice)</p> <p>15. Pyjama by pattern adaptation Method.</p>	<p>Introduction to garments production system.</p> <ul style="list-style-type: none"> <li>• Textures</li> <li>• Seam</li> <li>• Market</li> <li>• Raw material</li> </ul> <p>Sizing and taking measurement specific to Men's wear</p> <p>Drafting Of Basic Shirt n pant Variation for classified garments: Classic/party /formal wears</p>
Professional skills-60 Hrs Professional Knowledge- 20 Hrs	Make pattern, marking, collection of pattern variation and presentation techniques.	<p>16. Salwar – Kamiz</p> <p>17. Dart: Single/double dart series.</p> <p>18. Stitch Culottes/Divided Skirts/Palazzo (use style adaptation belonging base of pattern ranges with lengthwise recognition.)</p> <p>19. Pattern making Grading-reduction-sizes : Stitching Saree Blouse</p> <ul style="list-style-type: none"> <li>• Simple-</li> </ul>	<p>Dart manipulation: Single/double dart series Skirt Variations and recognition pattern name.</p> <ul style="list-style-type: none"> <li>• Classified –garments</li> <li>• precautionary measures for preparing garment in each age groups</li> <li>• New born</li> <li>• Kids</li> <li>• Teenage group</li> </ul>

		<ul style="list-style-type: none"> <li>• choli cut- stylized patterns</li> </ul>	
Professional skills-30 Hrs Professional Knowledge-10 Hrs	Use advanced techniques in garments production with application of activities for design using various patterns and making of features style with different looks as per market demand.	20. Manufacturing techniques. 21. Drafting <ul style="list-style-type: none"> <li>• Spreading</li> <li>• Marking</li> <li>• Layout cutting</li> <li>• Bundling</li> <li>• Sewing</li> <li>• Finishing Ironing</li> <li>• Texture handling</li> <li>• Folding technics</li> </ul>	<ul style="list-style-type: none"> <li>• Creating designs using final pattern/sleeve bodice and method of adaptation technics in pattern construction</li> <li>• Fitting problem and alteration in children garment and ladies Garment. Provision of Ease, and Seam Allowances.</li> </ul>
Professional skills-60 Hrs Professional Knowledge-20 Hrs	Demonstrate drafting, cutting, stitching and finishing of Indo-western garment.	22. Indo- western garment using various features. 23. Formals Party wear Classic 24. Drafting, cutting stitching, Finishing of classic /slim fit. Pants	<ul style="list-style-type: none"> <li>• Introduction Cutting technology</li> <li>• Introduction to Fusing technology</li> <li>• Introduction to style features</li> </ul>
Professional skills-30 Hrs Professional Knowledge-10 Hrs	Make garment by using application of mass production in systematic way. (Project work)	25. Application for above Garments Classified) <ul style="list-style-type: none"> <li>• Marker making</li> <li>• Spreading</li> <li>• cutting</li> <li>• Ticketing</li> <li>• Bundling</li> <li>• Sewing</li> <li>• Finishing</li> <li>• Quality</li> <li>• checking</li> </ul>	Overview of mass production setup  Inspection of mass production
<b>Examination</b>			

## 7. ASSESSMENT CRITERIA

LEARNING OUTCOMES	ASSESSMENT CRITERIA
<p>1. Develop manual pattern and graded pattern with application of dart-fitting-semi fitted-loose, patterns on basic level.</p>	Explain Introduction to Pattern making, drafting,
	Explain Darts
	Explain Fiber and fabric-textures
	Evaluate the features Dressing-styles and Develop different Patterns.
	Create Basic construction, bodice, Sleeve, Neck, Collar, etc.
	Evaluate Draft, create patterns and make samples of variations.
<p>2. Explain pattern making, make and create the various size of (graded) pattern, calculate fabric consumption by marker Making.</p>	Summaries role in garments industry.
	Explain apparel designs for various age group.
	Explain Pattern drafting with measurement chart.
	Explain Layout planning (marker making)
	Explain Grading and reduction with actual practice on group of ages.
<p>3. Design and demonstrate construction and the garment variation make technical change in garments sizes.</p>	STYLE –Create ideas to make the garments add features.
	Demonstrate technical garment construction
	Create a Source for features of garments
	Recognize- patterns name & forms.
	Evaluate application of swatch collection.
<p>4. Recognize the significance of surface embellishment techniques on textiles as value addition with the use of different painting, printing and needle craft techniques with the knowledge of Terminologies</p>	E -Learning on different types of surface ornamentation.
	Demonstrate different techniques of enhancement of the final product
	Traditional Embroidery and readymade textural impact.
	Apply different types of Stitches, Seams and Edge Finishes on sewing machine.
	Explain the terminologies of, garment construction.
<p>5. Demonstrate design of garments through Flat Drafting with cutting stitching and finishing of various children garment</p>	Apply different techniques of hand constructing to create designs.
	Develop stich operation for a garment design with texture handling.
	Recognize the elements and principle of Garment making and

and women garment.	Finishing process.
	Distinguish & draw the different classes of garment. Daytime formals, frocks, one –piece, skirt-top etc. Nightwear- bodice based on applicable age group. Make size wise pattern form. (farma)
	Cut and Stitch different Ladies Wear.
6. Demonstrate drafting, cutting, stitching and finishing of various Kid and gents Garments. Use of gussets, panels cuts, plackets.	Garment details like neck lines, collars, sleeves, gathers, ruffles, style lines etc.
	Construct the Samples of features Details like Elements of adding cuts, Fullness/ shapes, Pockets, Plackets, Facing, Binding.
	Develop different Patterns. And variety of style adaptation.
7. Make pattern, marking, collection of pattern variation and presentation techniques.	Explain making of pattern, flat drafting,
	Explain grading techniques.
	Evaluate size chart, age group, size variation- table preparation.
8. Use advanced techniques in garments production with application of activities for design using various patterns and making of features style with different looks as per market demand.	Demonstrate industrial trade terminology in practice.
	Skirt variations, neckline and armhole variations.
	Evaluate style lines, cowls, fit, collars, bias cut dresses.
	Demonstrate grading of basic bodice, skirt, trousers etc.
	Demonstrate features through, cutting, stitching, drafting adding pattern adaptation technics etc.
Evaluate fit of garments prepared.	
9. Demonstrate drafting, cutting, stitching and finishing of Indo- western garment.	Indo- western garment using various features.
	Formals Party wear
	Drafting, cutting stitching, Finishing of classic /slim fit. Pants
10. Make garment by using application of mass production in systematic way.	Explain setup requirements for mass production.
	Check of list for inspection of mass production.
	Demonstrate project work for mass production.

**ANNEXURE-I**

<b>LIST OF TOOLS &amp; EQUIPMENT</b>			
<b>CLOTHING ARTISAN</b>			
<b>S No.</b>	<b>Name of the Tools and Equipment</b>	<b>Specification</b>	<b>Quantity</b>
1.	Table with adjustable top.	Drafting /standing work	10 Nos.
2.	-stools with adjustable height & low back support	Sewing purpose-align with machine	25 Nos.
3.	Faculty -Table & Chair set		01 No.
4.	Storage Amirah		01 Nos.
5.	Table-Checking –finishing -altering	Standing work.	03 Nos.
6.	Air Conditioner		As required
7.	Display board	Acrylic sheet cover	02 Nos.
8.	Dress forms (dummies) <ul style="list-style-type: none"> <li>• Children</li> <li>• Ladies</li> </ul>		01Nos. 01Nos.
9.	Computer latest configuration with wi-fi connectivity.	e-learning- audio video	01 No.
10.	Projector	With hanger	01 No.
11.	Revolving chair for computer		01 No.
12.	Book Shelf		01 No.
13.	White Magnetic Board with Felt board & accessories		01 No.
14.	Button hole scissors		04 Nos.
15.	Paper cutting scissors		10 No,
16.	Scissors 25 cm		20 Nos.
17.	Pinking Shears		03 Nos.
18.	Tailors Square		21 Nos.
19.	Leg Shaper		21 Nos.
20.	Sewing kit for trainees		20 Nos.
21.	Screw Driver Set		02 Nos.
22.	Pattern Notcher		05 Nos.
23.	Armhole shaper full size		20 Nos.
24.	Yard scale		02 No.
25.	Blanket for padding of Pressing Table		02 Nos.
26.	Rubber mat (Size as per		02 Nos.

	requirement)		
27.	Pattern Punch/awl /poker		04 Nos.
28.	Color pencil		05 Nos.
29.	Markers pen		Required /04 Nos.
30.	Lace, elastic, accessories ,buttons	Applicable to pattern	As Required
31.	Sample catalogs MADE UP	Textures, accessories OF various standard	As Required
32.	Book Shelf		01 No.
33.	Waste Bin Big		04 Nos.
34.	Scissors 25 cm		20 Nos.
35.	Pinking Shears		03 Nos.
36.	Tailors Square		21 Nos.
37.	Leg Shaper		21 Nos.
38.	Garment Hangers		20 Nos.
39.	Screw Driver Set		02 Nos.
40.	Pressing Table		02 Nos.
41.	Blanket for padding of Pressing Table		02Nos.
42.	Bobbin case set		30 nos.
43.	Required stationery –Brown paper, Tracing paper, carbon paper, glue, cello tape, foam sheet, threads spools.		01 No.
44.	Single needle lock stitch industrial machine		20 Nos.
45.	Electric Automatic steam press	Light weight	02 Nos.
46.	Electric automatic iron	Steel heavy	02 Nos.
47.	Zig Zag Multi Purpose Machine		01 No.
48.	Over lock machine 3 thread	Or multipurpose Pico machine	01 No.
49.	Machine Attachments set of 5		03 Nos.
50.	Hand and Machine needles	Arrange as per required practices of assignment.	
51.	Waste bins big		04 Nos.
52.	Digital watch		01 Nos.

**NOTE:** The Tools, Equipment and Machineries available in existing Apparel sector Trade running in the ITI the same may be utilized for this course.

## ANNEXURE-II

The DGT sincerely acknowledges contributions of the Industries, State Directorates, Trade Experts, Domain Experts and all others who contributed in designing/ revising the curriculum. Special acknowledgement is extended by DGT to the following expert members who had contributed immensely in this curriculum.

### List of Expert Members contributed/ participated for finalizing the course curriculum of Clothing Artisan.

S No.	Name & Designation	Organization	Remarks
1.	Mr. Sathya Shankar B.P., Director	DGT HQ, New Delhi	STCC Convener
2.	Mr. C.S. Murthy, Joint Director	CSTARI, Kolkata	Coordinator
3.	Mr. Satheesh Kumar D., DGM	Arvind Lifestyle Brands Ltd, Bengaluru.	Member from Industry
4.	Ms. Nagamani S., GM	Shahi Exports, Bengaluru	Member from Industry
5.	Mr. Aseem Kumar, General Secretary	Garment Exports Association , Rajasthan	Member from Industry
6.	Ms. Abha Rastogi, Rtd. TO	DGT.	Member
7.	Ms. Nidhi Rawat, Dy.PMA Head	NRO, Ministry of Rural Development	Member from Industry
8.	Ms. Smritee Dwivedee, Director	Operations, AMHSSC	Member from SSC
9.	Ms. Indira B. M.	Govt.ITI, Bengaluru, Karnataka	Member from State
10.	Ms. Renuka Devi R., ATO	Govt. ITI, Cuddalore, Tamil Nadu.	Member from State
11.	Mr. Jagdish Prasad Yadav, Junior Instructor	ITI, Jaipur, Rajasthan	Member from State
12.	Ms. Rukhsar Anjum	B.V. Fatima Pvt. ITI, Bengaluru	Member from State
13.	Ms. Shanthi. D, DDT	NSTI(W), Bengaulru	Member
14.	Ms. Priya, ADT	NSTI, Bengaulru	Member
15.	Mr. L. R. Ramesh Babu, TO	NSTI(W), Trichy	Member
16.	Ms. Kanchan.V.Nair, TO	NSTI(W), Mumbai	Member
17.	Ms. Sonu Ghiya, TO	NSTI(W), Jaipur	Member
18.	Dr. Vandana Jarolia, TO	NSTI(W), Indore	Member
19.	Ms. Bhagyashree, TO	NSTI(W), Indore	Member
20.	Ms. Divya. L., TO	NSTI(W), Bengaluru	Member



21.	Ms. Chitra, TO	DGT.	Member
22.	Ms. Varsha. V., TO	NSTI(W), Bengaluru	Member
23.	Ms. Kavita Sharma, VI	NSTI(W), NOIDA	Member
24.	Mr. Subhankar Bhowmik, AM	NIMI, Chennai	Member
25.	Sh. R.N. Manna, TO	CSTARI, Kolkata	Member
26.	Sh. Bharat Kumar Nigam, TO	CSTARI, Kolkata	Member
27.	Sh. Snehasish Bandyopadhyay, TO	CSTARI, Kolkata	Member
28.	Ashoke Rarhi, DDT	CSTARI, Kolkata	Member
29.	K.V.S. Narayana, Training Officer	CSTARI, Kolkata	Member
30.	P. K. Bairagi, Training Officer	CSTARI, Kolkata	Member
31.	Sh. B Biswas, Training Officer	CSTARI Kolkata	Member
32.	Akhilesh Pandey, Training Officer	CSTARI, Kolkata	Member