

No. DGET - 2(3)/99-CD- Vol-1

Government of India

Ministry of Labor

(D.G.E. &T)

New Delhi, dated the 12<sup>th</sup> September, 2001

To,

All the state Directors (dealing with Craftsmen Training Scheme)

Subject:- Revision of syllabus for the trade of "Cutting & Tailoring" under CTS now renamed as "Cutting & Sewing" - Implementation thereon.

Sir,

I am directed to inform you that the syllabus for the trade of Cutting & Tailoring renamed as Cutting & Sewing under CTS has been revised. While revising the syllabus of the above-mentioned trade, no changes have been made in regard to: -

- (i) Duration of Training
- (ii) Admission qualification

However, the name of the trade has been **changed from Cutting & Tailoring to Cutting & Sewing** with the approval of NCVT. also few new equipments have been added in the list of tools & equipments viz. Bar-track machine, Fashion making machine and Machine attachment - Zipper font, folder and guiding Zig - Zag that need to be procured so that training could be imparted effectively.

The revised curriculum for the trade with new name "**Cutting & Sewing**" would be effective from the session starting from **August 2002**.

**2. Availability of copies of syllabus**

Printed copies of revised syllabus are available at the following address on payment basis:-

M/Syllabus ASIAN Publisher  
3911,Roshan Pura, Nai Sarak, delhi-110006  
(Telephone No.3915650,3941531)

The trade with the old name would stand deleted from the session starting from 1st August 2002. the last trade test for the trainees of pre revised syllabus with the old name "Cutting & Tailoring" would be held in July 2005 to enable the failed trainees to avail permissible 5 additional chances with in three years of their first attempt to pass the trade test.

Yours faithfully

Sd/-  
(Y.P.Sharna)  
Joint Director Of Training  
For Director Of Training

**Copy for information & necessary action to:-**

1. Directors- Antis at Chennai, Hyderabad, Kanpur, Kolkatta, Ludhiana & Mumbai, and FTIs at Bangalore & Jamshedpur, ATI (EPI) at Dehradun & Hyderabad.
2. Principal CTI Chennai, NVTI - Noida, All RVTIs & ALL MITIs
3. TC, AP (with one spare copy each) TU,TA-I,TA-II,AP,PCT,WOT,AVTS sections at DGET HQ.
4. TT Cell(along with syllabus ), with a request to supply question paper as per the instruction Contained in the letter.
5. M/syllabus Asian Publishers 3911 Roshan Pura, Nai Sarak, New Delhi.
6. Directors-CIMI Chennai, CSTARI Kolkatta.

(Anita Srivastava)  
Asstt. Director. of Training

ક્રમાંક:સીટીએસ/ય-૧૦/૨૦૦૧/૭૯૭૪  
રોજગાર અને તાલીમ નિયામકની કચેરી  
ડૉ. જીવરાજ મહેતા ભવન, ગુજરાત રાજ્ય,  
બ્લોક નં ૧/૮, ત્રીજે માળ,  
જુના સચિવાલય, ગાંધીનગર.  
તા.

નકલ રવાના :-

- (૧) નાયબ નિયામકશ્રી(તાલીમ) પ્રા.ક. અમદાવાદ, વડોદરા, રાજકોટ, સુરત, તથા આ.ટી.સી. વડોદરા તરફ જાણ તથા જરૂરી કાર્યવાહી સારૂ.
- (૨) તમામ સરકારી ઔદ્યોગિક તાલીમ સંસ્થાના વડાઓ તરફ જાણ તથા જરૂરી કાર્યવાહી સારૂ.
- (૩) આ કચેરીની શાખા - ધ,ર (ખરીદી),ફ,પરીક્ષા,ઈ.ડી.પી.સેલ.,વ,છ,ઝ, તરફ.

સંયુક્તનિયામક  
રોજગાર અને તાલીમ  
ગાંધીનગર.

# SYLLABUS FOR THE TRADE OF CUTTING & SEWING

UNDER  
CRAFTSMEN TRAINING SCHEME

2000(REVISED)

CENTRAL STAFF TRAINING AND RESEARCH INSTITUTE  
GOVT. OF INDIA, MINISTRY OF LABOUR, DGE&T  
DIRECTORATE GENERAL OF EMPLOYMENT & TRAINING  
EN-BLOCK, SECTOR - V, SALLAKE CITY,  
CALCUTTA - 700091.

**MEMBERS ATTENDED THE WORKSHOP FOR SKILL ANALYSIS FOR REVISING THE  
SYLLABUS OF "CUTTING & SEWING" UNDER CTS-HELD ON 02.05.2000**

| <b>SL.NO.</b> | <b>NAME</b>              | <b>DESIGNATION</b>  |          |
|---------------|--------------------------|---|----------|
| 1.            | S.R. Majumder            | Director, CSTARI, Calcutta  | Chairman |
| 2.            | Mrs. Ulli Hawickenbrauck | Sr. Prog Officer, CIMI, Chennai                                       | Member   |
| 3.            | W. Ringelsiep            | GTZ Team Leader, CIMI, Chennai  | Member   |
| 4.            | Dr. Anjali Sengupta      | Vice Principal, BES College &<br>Guest Faculty NIFT, Calcutta         | Member   |
| 5.            | Mrs. Uttara Mukherjee    | Principal, Usha Sewing Tailoring<br>& Embroidery School, Calcutta     | Member   |
| 6.            | Mrs. Dipali Jana         | Faculty, NIFT, Calcutta   | Member   |
| 7.            | Bholanath Mitra          | Designer, Oscar Apparel Pvt. Ltd. Cal.                                | Member   |
| 8.            | Mrs. Lucy Talukdar       | Employment Officer, (WBES)<br>Salt Lake Culcutta-91.                  | Member   |
| 9.            | Purnima Mondal           | Propiter, Swarupa Sewing &<br>Knitting School. Salt Lake, Cal.        | Member   |
| 10.           | Mamata Das               | Office In-Charge Swarupa Sewing &<br>Knitting School, Salt Lake, Cal. | Member   |
| 11.           | Pratima Pal              | -DO-  | Member   |
| 12.           | R.M.Sinha                | JDT, CSTARI, Calcutta   | Member   |
| 13.           | T. Mukhopadhyay          | Dy. Director, CSTARI, Cal.  | Member   |

**MEMBERS ATTENDED THE WORKSHOP FOR SKILL ANALYSIS FOR  
REVISING THE SYLLABUS OF "CUTTING & SEWING" UNDER CTS-HELD ON  
18-07-2000**

| <b>SL.NO.</b> | <b>NAME</b>              | <b>DESIGNATION</b>   |          |
|---------------|--------------------------|--|----------|
| 1.            | S.R Majumder             | Director, CSTARI, Calcutta   | Chairman |
| 2.            | Mrs. Ulli HAwickenbrauck | Sr. PROG. Officer, CIMI, Chennai                                   | Member   |
| 3.            | Rajendra Kumar           | Asstt. Director, NVTI for women Noida                              | Member   |
| 4.            | Dr. Anjali Sengupta      | Vice-Principal, BES College &<br>Guest Faculty NIFT, Calcutta      | Member   |
| 5.            | Mrs. Uttara Mukherjee    | Principal, Usha Sewing, Tailoring<br>& Embroderly School, Calcutta | Member   |
| 6.            | Mrs. Partho Seal         | Asst.Prof. (GMT) NIFT, Calcutta                                    | Member   |
| 7.            | Purnima Mondal           | GANDHINAGR, Howrah Homes   | Member   |
| 8.            | Giasuddinn Mondal        | GANDHINAGR, Howrah Homes   | Member   |
| 9             | Miss Lopa mudra Ghost    | Lecture, Apparel Trig. & Design.<br>Center,Calcutta                | Member   |
| 10.           | S.K.Maity                | Asstt. Director Of IND.  | Member   |
| 11.           | Mrs. Bandana Lahri       | Principal Nari Seba Sangha, Cal.                                   | Member   |
| 12.           | Mrs. GEETS Chatterjee    | -DO-   | Member   |
| 13.           | Mrs. Supta Mallick       | Secretary,Prodn, Center  | Member   |
| 14.           | Mrs. Sumita Sanyal       | -DO-   | Member   |
| 15.           | Mrs Chitra Sigha Roy     | Ramkrishna Mission Shilpa Mandir                                   | Member   |
| 16.           | M.N.Gupta                | Manager,Swarupa Sewing &<br>Knitting School                        | Member   |
| 17.           | Mrs Chitra Sigha Roy     | Ramkrishna Mission Shilpa Mandir                                   | Members  |
| 18.           | R.M.Sinha                | JDT, CSTARI, Calcutta  | Member   |
| 19.           | K.P. Chattopadhyay       | JDT, CSTARI, Calcutta  | Member   |
| 20            | D.P. Ganguly             | JDT, CSTARI, Calcutta  | Member   |
| 21.           | T. Mukhopadhyya          | Dy. Director, CSTARI, Cal  | Member   |
| 22.           | S.K.Das                  | Asstt. Director, CSTARI, Cal                                       | Member   |
| 23.           | P.K.Koley                | Trg Officer, CSTARI,Cal  | Member   |

**MEMBERS ATTENDED THE WORKSHOP FOR SKILL ANALYSIS FOR  
REVISING THE SYLLABUS OF "CUTTING & SEWING" UNDER CTS-HELD ON  
02.05.2000**

| <b>SL.NO.</b> | <b>NAME</b>              | <b>DESIGNATION</b>  |          |
|---------------|--------------------------|---|----------|
| 1.            | S.R. Majumder            | Director, CSTARI, Calcutta  | Chairman |
| 2.            | Mrs. Ulli Hawickenbrauck | Sr. Prog. Officer, CIMI, Chennai                                      | Member   |
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| 11.           | Pratima Pal              | -DO-  | Member   |
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| 13.           | T. Mukhopadhyay          | Dy. Director, CSTARI, Cal.  | Member   |

## **GENERAL INFORMATION:**

1. Name of the Trade: Cutting and Sewing
2. Entry Qualification: Passed Class-VIII
3. Duration of Training: 1 Year under CTS
4. NCO Code Number: 076.10

## **OBJECTIVE OF THE COURSE:**

The objective of the course is to impart necessary competencies (With the focus on technical competencies like skill and knowledge) so that they become employable in the small scale tailoring industry and are able to setup an own tailor's syllabus shop.

The main focus of the training is on stitching operations and basic pattern making.

Since the industrial production will be of increasing importance in the domestic market the tailor's shop will be in a more competitive situation. Therefore, it is very important that the training of Cutting & Sewing focuses more on quality consciousness in order to improve the sewing performance in the tailor's shops.

At the end of the trainings the trainees will be able to-

- Convert given pattern designs into a pattern for individual measurement and to stitch a dress accordingly to an agreed quality standard.
- Organize, Plan and evaluate their work independently (methodical competency) and to estimate the material required.
- Apply basic techniques for pattern manipulation.

The course content is to be covered in less than 52 weeks a year since some weeks will be used for enrolment procedures, leave of the instructor, holidays, examination and tests, industrial visits etc.

## **Course break-up:**

- |    |                         |              |
|----|-------------------------|--------------|
| a) | Practical instruction   | 28hours/week |
| b) | Theoretical instruction | 10hours/week |
| c) | Extra curricular        | 4hours/week  |
|    | Activities including    |              |
|    | Physical training.      |              |

## **Industrial Visit:**

Industrial cum study tour at least two different types of garment industries having modern machineries.

## **Skill Areas**

### **Measuring**

- Body
- Material
- Components

### **Making Patterns**

- Drafting, marking, cutting for individual measurement along with a given pattern draft as flat pattern
- Introduction into block pattern

### **Cutting components with hand cutting tools**

### **Arranging layouts**

- On Million cloth
- Plain fabrics
- One-Way fabrics like mapped and checked fabrics

### **Taking trial of garments**

### **Pressing by hand with electric iron**

- Pleats
- Sleeves with sleeve board
- Gathers
- Yoke

### **Folding of garments**

### **Operating and maintaining sewing machines**

- Treadle sewing machine
- Motorized sewing machine
- Overlook machine (three, four or five threads)

### **Stitching**

- Stitching by hand:

Functional

Ease stitching, basting, tacking, padding stitch, running stitch, back stitch, pick stitch, overcasting, hem stitches, slip stitch, whip stitch.

## Decorative

Stem stitch, blanket stitch, closed blanket stitch, buttonhole stitch, fishbone stitch, straight feather stitch, double feather stitch, chain stitch, lazy stitch, herringbone stitch, cross stitch, satin stitch, decorative hem stitch.

- Stitching by machine (straight, curved, cornered)
- Finishing seams by hand and machine (Pinked, overcastted, Over locked, bias bound, French seam....)
- Fixing fasteners (buttons, hooks, eyes, press studs...)
- Making buttonholes (One-bar-one-fan button hole. bound buttonhole...)
  
- Shaping a garment by:
  - Darts (Plain draft, French dart, contour dart....)
  - Tucks (plain tuck, blind tuck, pin tuck...)
  - Gathering
  - Smocking
  - Inserting elastic
  
- Stitching components:
  - Collars (Open collar, stand collar, shirt collar, Peter-pan collar...)
  - Sleeves (set in sleeve, kimono sleeve..)
  - Pockets (patch pocket, inseam pockets, bound pocket...)
  - Cuffs
- Finishing edges (facing, banding, piping, hemming)
- Making corners (overlapping cosners, mitred corners.)
- Making openings
  - Placket (faced placket. one-piece placket two piece placket continuous Placket zip placket..)
  - Fly (extended fly self-piece fly with buttons and zip.)
  - Slit
  
- Attaching collars sleeves (set-in-sleeve method, shirt-sleeve method.) Yokes, cuffs, waistbands
  
- Preparing waistline (with casing, waist band, elastic, belt, belt carries...)
- Finishing neckline
  
- Fusing
- Lining
- Mending (Patching and darning)

## List of Dresses:

Petticoats (4 and 6 panels)

Pleated skirt

Divided skirt

Pajama, Aligar

Pajama Chudidar

Pajama pant cut

Shorts (belted)  
Shorts (One piece)  
Slacks  
Jeans

Nehru Kurt a  
Kalidar Kurt a  
Sal war (belted)  
Children's Top  
Ladies Shirt  
Plain Blouse  
Cholicut Blouse  
Gent's Shirt  
Plain Frock  
Design Frock  
Umbrella Cut Frock  
House Coat  
Nighty

Baby set  
Bodice and Skirt Combination  
Night suit  
Combination suit

While it is compulsory to cover the skills during the training other garments might substitute the dresses as long as they are suitable to train the respective Skills.

Note: All garments should be stitched in full size only.

## **Theory**

### **Tools and Equipment**

- Needles and threads
- Measuring and drafting tools
- Cutting tools
- Pressing Equipment

### **Machinery**

Parts, Function and maintenance of:

- Treadle sewing machine
- Motorized sewing machine
- Button hole machine
- 3-5 thread overlook machine
- Machine attachments
- Sewing defects and remedies (trouble shooting)

### **Sewing Techniques**

Features and application of different types of:

- Hand stitches
- Machine stitches (Stitch formation and balance)
- Embroidery stitches
- Clipping, Notching
- Mending (darning and patching)
- Seams and seam finishing
- Hemming
- Shaping techniques (pleats, tucks, darts, gathers etc.)
- Corners

### **Methods of Finishing**

Features and application of different types of:

- Waistline finishing
- Neckline finishing
- Placket finishing

### **Components**

Features of different types of:

- Sleeves
- Pockets
- Cuffs

### **Fibers and Fabrics**

- Sources, methods of identification, texture, weave, shrinking, stain removal
- Facing, interfacing, lining and interlining material

### **Buttonholes and Fasteners**

### **Trimming materials and accessories**

### **Patterns**

- Direct drafting method (flat pattern)
- Block patterns

### **Layouts**

### **Anatomy of human Figure**

- Eight - head theory
- Variations in figures
- Growth according to age group
- Measuring techniques

### **Workshop Calculation**

- Calculation of material
- Calculation of costs

### **Color**

- Color Scheme
- Effects/characteristics of colors

### **Evolution and Function of Dresses**

### **Quality Criteria**

### **Safety Precautions**

**List of Tools and Equipment for the Trade of Cutting & Sewing under Craftsmen  
Training Scheme for a batch of 16 trainees.**

| <b>SI NO.</b> | <b>Name and Description of Articles</b>   | <b>Qty</b> |
|---------------|---|------------|
|               | <b>Tools and Machineries</b>  |            |
| 1             | Treadle machine, Lock Stitch, drop feed flat bed treadle  | 17 Nos.    |
| 2             | Over locking machine twin needle, (motorized) 3-5 treadle   | 2 Nos.     |
| 3             | Bar-tack machine  | 1Nos.      |
| 4             | Button hole machine   | 1Nos.      |
| 5             | Treadle Machine (Motorized) 1/8 HP  | 2No.       |
| 6             | Fashion Maker Machine   | 1 Nos.     |
| 7             | Machine attachment-zipper foot, tucker foot, hem folder, zigzag foot                                  | 2 each     |
| 8             | Scissors 25 cm  | 17 No      |
| 9             | Scissors left hand 25 cm  | 2 Nos.     |
| 10            | Machine scissors, trimming edge 7"  | 17 Nos.    |
| 11            | Pinking scissors, edge finish   | 17 Nos.    |
| 12            | Marking wheel (tracing wheel)   | 17 Nos.    |
| 13            | Measuring Tape Metric & English 150 cm (inches and cm)  | 17 Nos.    |
| 14            | Tailors square metric   | 17 Nos.    |
| 15            | Leg shaper for trouser  | 17 Nos.    |
| 16            | French Curve (set) No. 17   | 17 Nos.    |
| 17            | Diagram Square ¼", 1/5" Plastic   | 17 Nos.    |
| 18            | Finger thimbles-steel   | 17 Nos.    |
| 19            | Pattern notcher   | 4 Nos.     |
| 20            | Dress form dummies: a) Ladies 8, 10 (half), 12(full), b) Gent's 40, 42 (full) c) Children no. 4(full) | 1 No.      |
| 21            | Pattern punch   | 2 Nos.     |
| 22            | Tailors wooden graduated L- Square  | 17 Nos.    |
| 23            | Round cutter, electrically operated   | 1 Nos.     |
| 24            | Starting knife cutter, electrically operated  | 1 Nos.     |
| 25            | Tapes plastic   | 2 Nos.     |
| 26            | Tailors chalk   | 2 Nos.     |
| 27            | Scam ripper   | 17 Nos.    |
| 28            | Milton Cloth double width x 2 meters  | 8 Nos.     |
| 29            | Coat brush – nylon hair   | 2 Nos.     |

| <b>Sl. No.</b> | <b>Name and description of Articles</b>  | <b>Qty</b> |
|----------------|--|------------|
|                | <b>FURNITURE</b>   |            |
| 1              | Hangers for dress  | 16Nos      |
| 2              | Stand for hanging dress  | 4Nos       |
| 3              | Instructors table steel with sum mica top (60 120) with lockers                              | 1No        |
| 4              | Arm chair for instructor   | 1No        |
| 5              | Armless chair for staff  | 4Nos       |
| 6              | Adjustable Moving stool w cushion-18" height size for trainees                               | 16Nos      |
| 7              | Table for Drawing class/the class for trainees   | 16Nos      |
| 8              | Magnetic white board with marker pen and duster (120 × 120cm)                                | 2Nos       |
| 9              | Almirah steel (195×90cms×60cms with 5 adjustable shelves                                     | 2Nos       |
| 10             | Steel locker Overall size(19 cms×90cm×48cm) having 6 compartments                            | 3Nos       |
| 11             | Display Board Glass cover( hanging finished dress)   | 2Nos       |
| 12             | Pattern hanging hooks  | 6doz       |
| 13             | Drafting table with conjugated board (150cm×90cm×90cm)                                       | 8nos       |
| 14             | Pattern hanging angles   | 6dos       |
| 15             | Trail Room – size 4' x 4' ) mirrors , size 150cmx60cmeach with arrangement for hanging dress | 1No        |
| 16             | Waste Paper basket Plastic   | 2nos       |
|                |  |            |