



Government of India  
Ministry of Textiles  
O/o Development Commissioner for Handlooms  
Udyog Bhavan, New Delhi.

**HANDLOOM WEAVING – DRAW BOY OR JALA (TC HLM 08)**

1	Name of the training	Handloom Weaving – Draw boy or Jala
2	Qualification	<ul style="list-style-type: none"><li>• Having basic knowledge of weaving</li><li>• To be ascertain by certificate/RPL</li></ul>
3.	Age Limit	Minimum 16 years
4	No. of trainees per batch	20
5	Duration of Training	315 hrs (45 days) (Inclusive of 10 Hours RPL) *RPL will be conducted in case there is no certification of prior level available.
6	Nature of Training	Hands-on Practical training

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# **SYLLABUS**

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6.1 Mending and folding of woven fabrics

## **DETAILED SYLLABUS**

### **1.1 Various handloom parts and its functions:**

Knowledge of handloom parts viz. warp beam, fabric beam, front rest, back rest, sley, sley race board, shuttle box, picker, short lam, long lam, treadle, tumbler lever/roller for reversing motion, shuttle, heald, reed, temple, lease rod etc. and its functions.

### **2.1 Drafting of warp:**

Learning the process of drafting and drafting orders through healds and/or harness depending on the area of training.

### **2.2 Denting of warp:**

Learning the process of denting through the reed – Denting order for different kind of products – missing dent

### **2.3 Gaiting of warp:**

Learning gaiting of warp sheet before starting the weaving process with uniform tension throughout width of the fabric

### **2.4 Piecing and Knotting of warp:**

Learning piecing and knotting of warp

### **3.1 Primary motions of weaving:**

Learning proper operation of primary motions viz. shedding, picking and beating-up - Leveling of heald shafts and adjustment of depth of shed to get optimum depth of shed – Loading of shuttles with pirn and threading through the shuttle eyes to get proper tension – Proper picking without flying away of shuttle – Adjustment of picking rope and picker - beating up of weft uniformly to the fell of the cloth

### **3.2 Secondary motions of weaving:**

Learning proper operation of Let-off motion and Take-up motion – Release of optimum length of warp – Maintaining proper tension of cloth.

### **3.3 Auxiliary motions of weaving:**

Temple motion – removing and fixing of temples properly – lease rod motion – purpose of lease rods – insertion of lease rods – shuttle changing as per the design and patterns.

#### **4.1 Draw-boy/Jala Weaving**

Weaving of fabrics by proper sequencing of various operations using Draw boy/Jala - mending of broken ends - basic knowledge about Draw-boy/Jala - mounting of Draw boy /Jala with pagia which will be further connected to warp threads - selection of warp threads by inserting wooden hook (nangal / aakda) under pagia to form shed for extra weft ornamentation

#### **5.1 Fabric defects and prevention of defects**

Common fabric defects in weaving viz. missing end, double end, missing pick, double pick, floats, uneven selvedge, pulled-in selvedge, slack selvedge, crack, reediness, loose ends, wrong draw etc.

#### **5.2 Dimensions of fabrics or products**

Measurement of fabric width and length of product woven – Importance of maintaining the dimension - Shrinkage of fabrics – Tolerances for the dimensions.

#### **6.1 Mending and Folding of woven fabrics**

Unwinding the woven fabrics from the fabric beam - Cropping of loose ends and picks – cropping of extra length of picks at the selvedges – proper folding of products

TOTAL PERIOD OF TRAINING: 315 hrs (45 DAYS)