

# QUALIFICATION PACK – OCCUPATIONAL STANDARD FOR TEXTILES SECTOR

## What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding



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## Introduction

### Qualification Pack - Hank Dyer

|                      |                   |
|----------------------|-------------------|
| <b>SECTOR:</b>       | TEXTILES SECTOR   |
| <b>SUB SECTOR:</b>   | Handloom          |
| <b>OCCUPATION:</b>   | Pre Loom Operator |
| <b>REFERENCE ID:</b> | TSC/Q 7201        |
| <b>ALIGNED TO:</b>   | NCO-2004/7332.60  |

**Brief Job Description:** The Dyer is a job role responsible for dyeing of yarns of different types of fibre origins like cotton, viscose, wool, silk to synthetic materials either with traditional methods with little automation to specially developed hank dyeing machines. The dyed materials are expected to match with standard shades for hue, tone as well as conform to requirements for desired level of fastness

**Personal Attributes:** The dyer should be keen, vigilant, have good eyesight, patient and investigative. He should be free from defects of colour vision

## Qualification Pack For Hank Dyer

Job Details

|                                 |                          |                         |                 |
|---------------------------------|--------------------------|-------------------------|-----------------|
| <b>Qualifications Pack Code</b> | <b>TSC/Q 7302</b>        |                         |                 |
| <b>Job Role</b>                 | <b>Hank Dyer</b>         |                         |                 |
| <b>Credits(NSQF)</b>            | <b>TBD</b>               | <b>Version number</b>   | <b>1.0</b>      |
| <b>Sector</b>                   | <b>Textile Sector</b>    | <b>Drafted on</b>       | <b>19/08/15</b> |
| <b>Sub-sector</b>               | <b>Handloom</b>          | <b>Last reviewed on</b> | <b>14/09/15</b> |
| <b>Occupation</b>               | <b>Pre Loom Operator</b> | <b>Next review date</b> | <b>13/09/16</b> |
| <b>NSQF Clearance on*</b>       | <b>19/02/2016</b>        |                         |                 |

|   |   |
|---|---|
| <b>Job Role</b>   | <b>Hank Dyer</b>  |
| <b>Role Description</b>                                 | To execute process plan steps in strict sequence and harmony for selection, weighing, addition of dyes and chemicals to executing for the complete dyeing cycle defined exclusively in parlance with materials, environmental conditions and machines/method of dyeing in consideration   |
| <b>NSQF level</b>                                       | 4   |
| <b>Minimum Educational Qualifications*</b>              | Preferably, 8th Standard  |
| <b>Maximum Educational Qualifications*</b>              | Not applicable  |
| <b>Training</b>   | Not mandatory   |
| <b>Minimum Job Entry Age</b>                            | 18 Years  |
| <b>Experience</b>                                       | Preferably, 1-2 years   |
| <b>Applicable National Occupational Standards (NOS)</b> | <p><b>Compulsory</b></p> <ol style="list-style-type: none"> <li>1. <a href="#">TSC/ N 7201 Carry out pre dyeing activities: desizing, scouring, bleaching etc.</a></li> <li>2. <a href="#">TSC/N 7202 Carry out dyeing of hank yarn</a></li> <li>3. <a href="#">TSC/ N 7203 Carry out finishing of dyed yarns</a></li> <li>4. <a href="#">TSC/ N 9005 Maintain work area and tools in handloom sector</a></li> <li>5. <a href="#">TSC/ N 9006 Working in a team in handloom sector</a></li> <li>6. <a href="#">TSC/ N 9007 Maintain health, safety and security at work place in handloom sector</a></li> <li>7. <a href="#">TSC/ N 9008 Comply with work place requirements in handloom sector</a></li> </ol> <p><b>Optional:</b><br/>N.A.</p> |
| <b>Performance Criteria</b>                             | As described in the relevant OS units   |

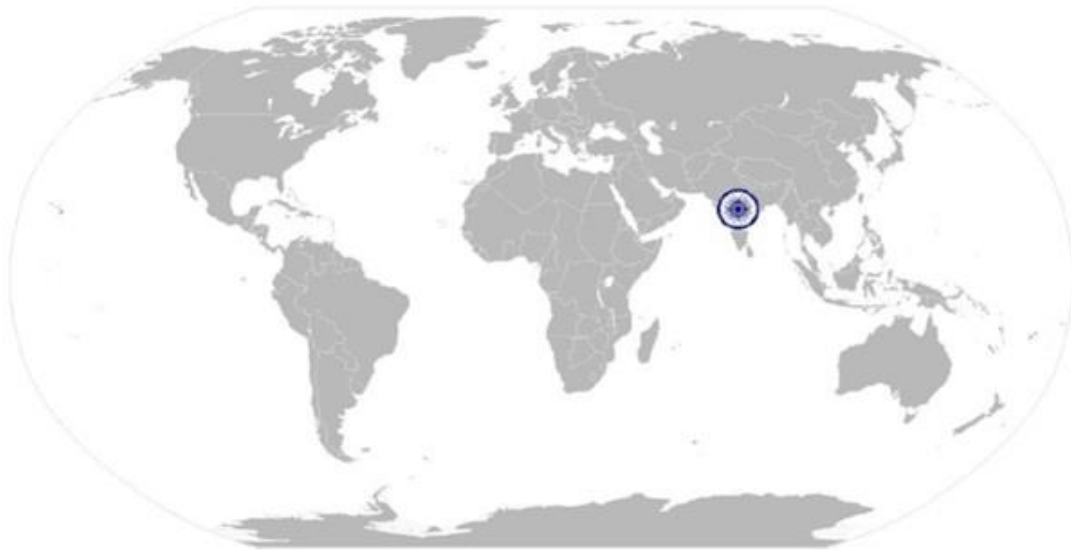
| Keywords /Terms                       | Description   |
|---------------------------------------|---|
| Sector                                | Sector is a conglomeration of different business operations having similar businesses and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.   |
| Sub-sector                            | Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.  |
| Vertical                              | Vertical may exist within a sub-sector representing different domain areas or the client industries served by the industry.   |
| Occupation                            | Occupation is a set of job roles, which perform similar/related set of functions in an industry.  |
| Function                              | Function is an activity necessary for achieving the key purpose of the sector, occupation, or area of work, which can be carried out by a person or a group of persons. Functions are identified through functional analysis and form the basis of OS.  |
| Sub-functions                         | Sub-functions are sub-activities essential to fulfil achieving the objectives of the function.  |
| Job role                              | Job role defines a unique set of functions that together form a unique employment opportunity in an organization.   |
| Occupational Standards (OS)           | OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding; he/she needs to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts. |
| Performance Criteria                  | Performance Criteria are statements that together specify the standard of performance required when carrying out a task.  |
| National Occupational Standards (NOS) | NOS are Occupational Standards which apply uniquely in the Indian context.  |
| Qualifications Pack Code              | Qualifications Pack Code is a unique reference code that identifies a qualifications pack.  |
| Qualifications Pack(QP)               | Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualifications Pack is assigned a unique qualification pack code.   |
| Unit Code                             | Unit Code is a unique identifier for an Occupational Standard, which is denoted by an 'N'.  |
| Unit Title                            | Unit Title gives a clear overall statement about what the incumbent should be able to do.   |
| Description                           | Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to find the required one.  |
| Scope                                 | Scope is the set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on the quality of required performance.   |
| Knowledge and Understanding           | Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform up to the required standard.  |

| Acronyms | Keywords /Terms              | Description                             |
|----------|------------------------------|---|
|          | OS                           | Occupational Standard(s)                |
|          | NOS                          | National Occupational Standard(s)       |
|          | QP                           | Qualifications Pack                     |
|          | NSQF                         | National Skill Qualifications Framework |
|          | TBD                          | To Be Determined                        |
|          | SGH                          | Self Help Group                         |
|          | NGO                          | Non-Governmental Organizations          |
| TSC      | Textile Sector Skill Council |   |

TSC/ N 7201 Carry out pre dyeing activities: desizing, scouring, bleaching etc.

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# National Occupational Standard



## Overview

This unit provides performance criteria, knowledge and understanding and skills and abilities about techniques needed for carrying out pre- dyeing activities so as to ensure that the delivery of good quality dyed yarns is as per schedule defined

### TSC/ N 7201 Carry out pre dyeing activities: desizing, scouring, bleaching etc.

|   |  |
|---|--|
| <b>Unit Code</b>  | <b>TSC/ N 7201</b>   |
| <b>Unit Title (Task)</b>  | <b>Carry out pre dyeing activities: desizing, scouring, bleaching etc.</b>   |
| <b>Description</b>  | This unit provides performance criteria, knowledge and understanding and skills and abilities about techniques needed for carrying out pre- dyeing activities so as to ensure that the delivery of good quality dyed yarns is as per schedule defined  |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>Preparing for pre dyeing activities</li> <li>Carrying out pre dyeing activities</li> </ul>   |
| <b>Performance Criteria(PC) w.r.t. the Scope</b>  |  |
| <b>Element</b>  | <b>Performance Criteria</b>  |
| <b>Preparing for pre dyeing activities</b>  | To be competent, the user/individual on the job must be able to:<br>PC1. Receive the material to be dyed and weigh it<br>PC2. Maintain a proper record of received yarn and date of delivery<br>PC3. Identify the type of yarns: cotton, wool, silk, blend etc.<br>PC4. Analyse the type of pre dyeing activities to be carried out  |
| <b>Carrying out pre dyeing activities</b>   | PC5. Check that the container for carrying out pre dyeing activities is clean<br>PC6. Ensure that the right quality of water and other chemicals is available<br>PC7. Weigh and arrange the required chemicals for preparing the bath<br>PC8. Prepare the bath for carrying out pre dyeing activities<br>PC9. Ensure that the right condition (temperature, pH level etc.) of the bath is prepared<br>PC10. Ensure proper immersion and timely rotation of yarn, if required<br>PC11. Carry out pre dyeing activities as per the specified time limit<br>PC12. Clean the container used for carrying out pre dyeing activities<br>PC13. Dispose of the waste materials in the approved manner<br>PC14. Leave the work area safe and secure when work is complete |
| <b>Knowledge and Understanding (K)</b>  |  |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand:<br>KA1. The Cooperative Society/NGO/SHG/Cluster policies, procedures, guidelines and standards for quality<br>KA2. Safe working practices and Cooperative Society/NGO/SHG procedures<br>KA3. Quality systems and other processes practiced in the Cooperative Society/NGO/SHG<br>KA4. Details of the job role and responsibilities<br>KA5. Limits of personal responsibility<br>KA6. Types of problems with quality and how to report them to concerned person<br>KA7. The importance of complying with written instructions<br>KA8. Documenting procedure in case of faults in own/ others' processes<br>KA9. Whom to refer problems to when they are outside the limit of your authority          |

### TSC/ N 7201 Carry out pre dyeing activities: desizing, scouring, bleaching etc.

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|---|---|
|   | <p>KA10. The Cooperative Society/NGO/SHG tools, templates and processes for operations in production</p> <p>KA11. Responsibilities under health, safety and environmental legislation</p> <p>KA12. Guidelines for storage and disposal of waste materials</p> <p>KA13. Potential hazards associated with the machines and the safety precautions that must be taken</p> <p>KA14. Protocol to obtain more information on work related tasks</p> <p>KA15. Documentation formats</p> <p>KA16. Protocol in case of work related risks/ problems</p> <p>KA17. Method of obtaining/giving feedback related to performance</p> <p>KA18. Methods to present any ideas for improvement</p>                                   |
| <p><b>B. Technical Knowledge</b></p>          | <p>The user/individual on the job needs to know and understand:</p> <p>KB1. Different types of yarns</p> <p>KB2. Different types of counts</p> <p>KB3. Reed width of fabric</p> <p>KB4. Different types of warping machine: manual and power driven, horizontal or vertical drum warping machine</p> <p>KB5. The calculation of minimum weight of cones/bobbins required</p> <p>KB6. The function of creel</p> <p>KB7. The importance of creeling and proper passage of yarn</p> <p>KB8. The importance of cleaning</p> <p>KB9. Weaver's knot and its importance</p>  |
| <p><b>Skills (S)</b></p>                      |   |
| <p><b>A. Core Skills / Generic Skills</b></p> | <p><b>Writing Skills</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. Write in local language</p> <p><b>Reading Skills</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA2. Read and comprehend written instructions</p> <p><b>Oral Communication (Listening and Speaking Skills)</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA3. Listen effectively and orally communicate information accurately</p> <p>SA4. Ask for clarification and advice from others</p>   |
| <p><b>B. Professional Skills</b></p>          | <p><b>Decision Making</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SB1. Follow rule-based decision-making processes</p> <p>SB2. Make decisions on a suitable course of action or response</p> <p><b>Plan and Organize</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SB3. Plan and organize your work to achieve targets and deadlines</p> <p><b>Customer Centricity</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SB4. Avoid absenteeism</p> <p>SB5. Be punctual</p> <p>SB6. Work in Discipline</p> <p>SB7. Act objectively, rather than impulsively or emotionally when faced with</p> |

### TSC/ N 7201 Carry out pre dyeing activities: desizing, scouring, bleaching etc.

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|  | difficult/stressful or emotional situations  |
|  | <b>Problem Solving</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB8. Apply problem-solving approaches in different situations<br>SB9. Seek clarification on problems from others |
|  | <b>Analytical Thinking</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB10. Analyze data and activities<br>SB11. Pass on relevant information to others                                |
|  | <b>Critical Thinking</b>   |
| The user/ individual on the job needs to know and understand how to:<br>SB12. Provide opinions on work in a detailed and constructive way<br>SB13. Apply balanced judgment to different situations |  |

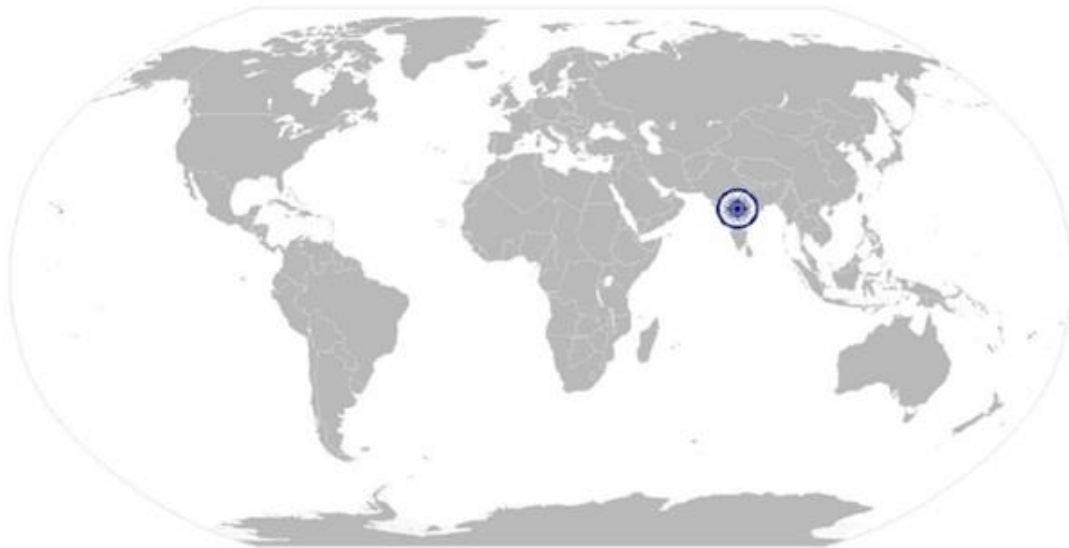
### NOS Version Control

|                     |                   |                  |          |
|---------------------|-------------------|------------------|----------|
| NOS Code            | TSC/ N 7201       |                  |          |
| Credits (NSQF)      | TBD               | Version number   | 1.0      |
| Sector              | Textile Sector    | Drafted on       | 19/08/15 |
| Industry Sub-sector | Handloom          | Last reviewed on | 14/09/15 |
| Occupation          | Pre Loom Operator | Next review date | 13/09/16 |

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# National Occupational Standard



## Overview

This unit provides performance criteria, knowledge and understanding and skills and abilities required to develop dyeing recipe and carrying out dyeing of hank yarns

## National Occupational Standards

TSC/N 7202

### Carry out dyeing of hank yarn

National Occupational Standard

|   |   |
|---|---|
| <b>Unit Code</b>  | TSC/N 7202  |
| <b>Unit Title (Task)</b>  | Carry out dyeing of hank yarn   |
| <b>Description</b>  | This unit provides performance criteria, knowledge and understanding and skills and abilities required to develop dyeing recipe and carrying out dyeing of hank yarns   |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>Preparing for dyeing activities</li> <li>Dyeing the yarn</li> </ul>   |
| <b>Performance Criteria(PC) w.r.t. the Scope</b>  |   |
| <b>Element</b>  | <b>Performance Criteria</b>   |
| <b>Preparing for dyeing activities</b>  | To be competent, the user/individual on the job must be able to : <p>PC1. Identify the right type of dye for dyeing the selected yarn</p> <p>PC2. Check that the container for carrying out dyeing is clean</p> <p>PC3. Ensure that the right quality of water, dye and other chemicals is available</p> <p>PC4. Weigh and arrange the required chemicals and dyes for preparing the bath</p> <p>PC5. Prepare the bath for carrying out dyeing</p>  |
| <b>Dyeing the yarn</b>  | <p>PC6. Ensure that the right condition (temperature, pH level etc.) of the bath is prepared</p> <p>PC7. Ensure proper immersion and timely rotation of yarn, if required</p> <p>PC8. Carry out dyeing of selected yarn as per the specified time limit</p> <p>PC9. Clean the container used for carrying out dyeing</p> <p>PC10. Dispose of the waste materials in the approved manner</p> <p>PC11. Leave the work area safe and secure when work is complete</p>  |
| <b>Knowledge and Understanding (K)</b>  |   |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand: <p>KA1. The Cooperative Society/NGO/SHG/Cluster policies, procedures, guidelines and standards for quality</p> <p>KA2. Safe working practices and Cooperative Society/NGO/SHG procedures</p> <p>KA3. Quality systems and other processes practiced in the Cooperative Society/NGO/SHG/cluster</p> <p>KA4. Details of the job role and responsibilities</p> <p>KA5. Limits of personal responsibility</p> <p>KA6. Types of problems with quality and how to report them to concerned person</p> <p>KA7. The importance of complying with written instructions</p> <p>KA8. Documenting procedure in case of faults in own/ others' processes</p> <p>KA9. Who to refer problems to when they are outside the limit of your authority</p> <p>KA10. The Cooperative Society/NGO/SHG tools, templates and processes for operations in production</p> <p>KA11. Responsibilities under health, safety and environmental legislation</p> <p>KA12. Guidelines for storage and disposal of waste materials</p> <p>KA13. Potential hazards associated with the machines and the safety</p> |

TSC/N 7202

### Carry out dyeing of hank yarn

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|--|---|
|  | <p>precautions that must be taken</p> <p>KA14. Protocol to obtain more information on work related tasks</p> <p>KA15. Documentation formats</p> <p>KA16. Protocol in case of work related risks/ problems</p> <p>KA17. Method of obtaining/giving feedback related to performance</p> <p>KA18. Methods to present any ideas for improvement</p>   |
| <b>B. Technical Knowledge</b>          | <p>The user/individual on the job needs to know and understand:</p> <p>KB1. Different types of dyes and chemicals used for dyeing different fibers</p> <p>KB2. Functions of dyes and chemicals in dyeing process</p> <p>KB3. Types of dyes and its color fastness to light and perspiration</p> <p>KB4. Different types of dyeing methods</p> <p>KB5. Measures for even dyeing</p> <p>KB6. Measures to reduce lot variations</p> <p>KB7. The recipe for preparing the dye bath for different types of yarns</p> <p>KB8. Process of preparation of bath for carrying out dyeing activities</p> <p>KB9. The approved method for disposal of waste after dyeing activities</p> |
| <b>Skills (S)</b>                      |   |
| <b>A. Core Skills / Generic Skills</b> | <b>Writing Skills</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SA1. Write in local language  |
|  | <b>Reading Skills</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SA2. Read and comprehend written instructions   |
|  | <b>Oral Communication (Listening and Speaking Skills)</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SA3. Listen effectively and orally communicate information accurately<br>SA4. Ask for clarification and advice from others  |
| <b>B. Professional Skills</b>          | <b>Decision Making</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SB1. Follow rule-based decision-making processes<br>SB2. Make decisions on a suitable course of action or response  |
|  | <b>Plan and Organize</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SB3. Plan and organize your work to achieve targets and deadlines   |
|  | <b>Customer Centricity</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SB4. Avoid absenteeism<br>SB5. Be punctual<br>SB6. Work in Discipline<br>SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations   |
|  | <b>Problem Solving</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SB8. Apply problem-solving approaches in different situations<br>SB9. Seek clarification on problems from others  |
|  | <b>Analytical Thinking</b>  |

## National Occupational Standards

**TSC/N 7202**

### Carry out dyeing of hank yarn

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|  | The user/ individual on the job needs to know and understand how to:<br>SB10. Analyze data and activities<br>SB11. Pass on relevant information to others  |
|  | <b>Critical Thinking</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB12. Provide opinions on work in a detailed and constructive way<br>SB13. Apply balanced judgment to different situations |

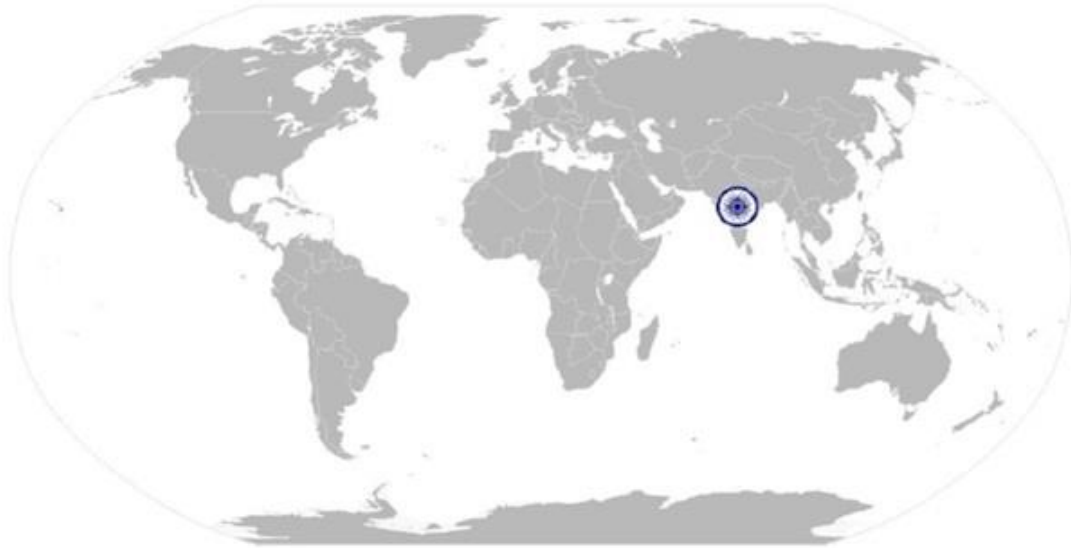
## NOS Version Control

| NOS Code            | TSC/N 7202        |                  |          |
|---------------------|-------------------|------------------|----------|
| Credits (NSQF)      | TBD               | Version number   | 1.0      |
| Sector              | Textile Sector    | Drafted on       | 19/08/15 |
| Industry Sub-sector | Handloom          | Last reviewed on | 14/09/15 |
| Occupation          | Pre Loom Operator | Next review date | 13/09/16 |

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# National Occupational Standard



## Overview

This unit is about performance criteria, knowledge and understanding and skills and abilities required to carry out finishing activities after dyeing the hank yarns

**TSC/ N 7203**

**Carry out finishing of dyed yarns**

National Occupational Standard

|   |   |
|---|---|
| <b>Unit Code</b>  | <b>TSC/ N 7203</b>  |
| <b>Unit Title (Task)</b>  | <b>Carry out finishing of dyed yarns</b>  |
| <b>Description</b>  | This unit is about performance criteria, knowledge and understanding and skills and abilities required to carry out finishing activities after dyeing the hank yarns  |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>Preparing for finishing activities</li> <li>Carrying out finishing activities</li> </ul>  |
| <b>Performance Criteria(PC) w.r.t. the Scope</b>  |   |
| <b>Element</b>  | <b>Performance Criteria</b>   |
| <b>Preparing for finishing activities</b>   | To be competent, the user/individual on the job must be able to <p>PC1. Analyze the type of finishing activities (washing, soaping, softening, fixing, sizing etc.) to be carried out according to yarn, dye type and specific end used</p> <p>PC2. Weigh and arrange the required chemicals for preparing the bath</p> <p>PC3. Check that the container for carrying out finishing activities is clean</p> <p>PC4. Ensure that the right quality of water and other chemicals is available</p> <p>PC5. Prepare the bath for carrying out finishing activities</p>  |
| <b>Carrying out finishing activities</b>  | <p>PC6. Carry out required finishing activities</p> <p>PC7. Depending upon the type of dye used, follow the technique for drying (sunlight or shade etc.)</p> <p>PC8. Dispose of the waste materials in the approved manner</p> <p>PC9. Leave work area safe and secure when work is complete</p>   |
| <b>Knowledge and Understanding (K)</b>  |   |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand: <p>KA1. The Cooperative Society/NGO/SHG/Cluster policies, procedures, guidelines and standards for quality</p> <p>KA2. Safe working practices and Cooperative Society/NGO/SHG procedures</p> <p>KA3. Quality systems and other processes practiced in the Cooperative Society/NGO/SHG</p> <p>KA4. Details of the job role and responsibilities</p> <p>KA5. Limits of personal responsibility</p> <p>KA6. Types of problems with quality and how to report them to concerned person</p> <p>KA7. The importance of complying with written instructions</p> <p>KA8. Documenting procedure in case of faults in own/ others' processes</p> <p>KA9. Who to refer problems to when they are outside the limit of your authority</p> <p>KA10. The Cooperative Society/NGO/SHG tools, templates and processes for operations in production</p> <p>KA11. Responsibilities under health, safety and environmental legislation</p> <p>KA12. Guidelines for storage and disposal of waste materials</p> <p>KA13. Potential hazards associated with the machines and the safety precautions that must be taken</p> <p>KA14. Protocol to obtain more information on work related tasks</p> |

**TSC/ N 7203**

### Carry out finishing of dyed yarns

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|  | <p>KA15. Documentation formats<br/>KA16. Protocol in case of work related risks/ problems<br/>KA17. Method of obtaining/giving feedback related to performance<br/>KA18. Methods to present any ideas for improvement</p>  |
| <b>B. Technical Knowledge</b>  | <p>The user/individual on the job needs to know and understand:<br/>KB1. Different types of finishing treatment<br/>KB2. Procedure for carrying out finishing treatment<br/>KB3. The impact of different types of finishing activities on final product<br/>KB4. Importance of color fastness to washing and rubbing<br/>KB5. Impact of finishing activities on colour fastness to washing, rubbing and quality of the final product</p> |
| <b>Skills (S)</b>  |  |
| <b>A. Core Skills / Generic Skills</b>                               | <b>Writing Skills</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SA1. Write in local language   |
|  | <b>Reading Skills</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SA2. Read and comprehend written instructions  |
| <b>B. Professional Skills</b>  | <b>Oral Communication (Listening and Speaking Skills)</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SA3. Listen effectively and orally communicate information accurately<br>SA4. Ask for clarification and advice from others   |
|  | <b>Decision Making</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB1. Follow rule-based decision-making processes<br>SB2. Make decisions on a suitable course of action or response   |
| <b>B. Professional Skills</b>  | <b>Plan and Organize</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB3. Plan and organize your work to achieve targets and deadlines  |
|  | <b>Customer Centricity</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB4. Avoid absenteeism<br>SB5. Be punctual<br>SB6. Work in Discipline<br>SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations  |
|  | <b>Problem Solving</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB8. Apply problem-solving approaches in different situations<br>SB9. Seek clarification on problems from others   |
|  | <b>Analytical Thinking</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB10. Analyze data and activities<br>SB11. Pass on relevant information to others  |
| <b>Critical Thinking</b>   |  |
| The user/ individual on the job needs to know and understand how to: |  |

## National Occupational Standards

**TSC/ N 7203**

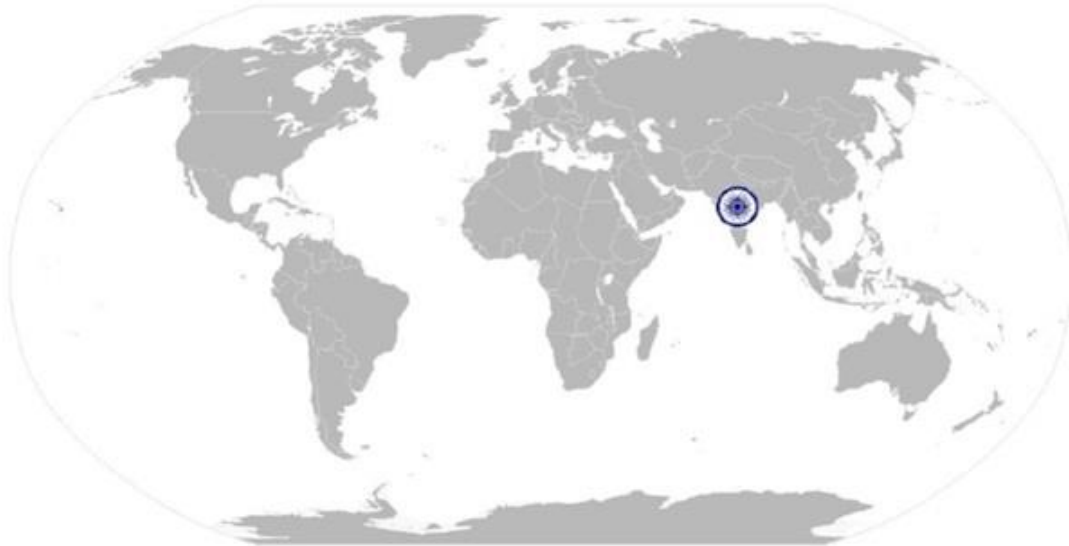
**Carry out finishing of dyed yarns**

|  |   |
|--|---|
|  | SB12. Provide opinions on work in a detailed and constructive way<br>SB13. Apply balanced judgments to different situations |
|--|---|

## NOS Version Control

|                            |                          |                         |                 |
|----------------------------|--------------------------|-------------------------|-----------------|
| <b>NOS Code</b>            | <b>TSC/ N 7203</b>       |                         |                 |
| <b>Credits (NSQF)</b>      | <b>TBD</b>               | <b>Version number</b>   | <b>1.0</b>      |
| <b>Sector</b>              | <b>Textile Sector</b>    | <b>Drafted on</b>       | <b>19/08/15</b> |
| <b>Industry Sub-sector</b> | <b>Handloom</b>          | <b>Last reviewed on</b> | <b>14/09/15</b> |
| <b>Occupation</b>          | <b>Pre Loom Operator</b> | <b>Next review date</b> | <b>13/09/16</b> |

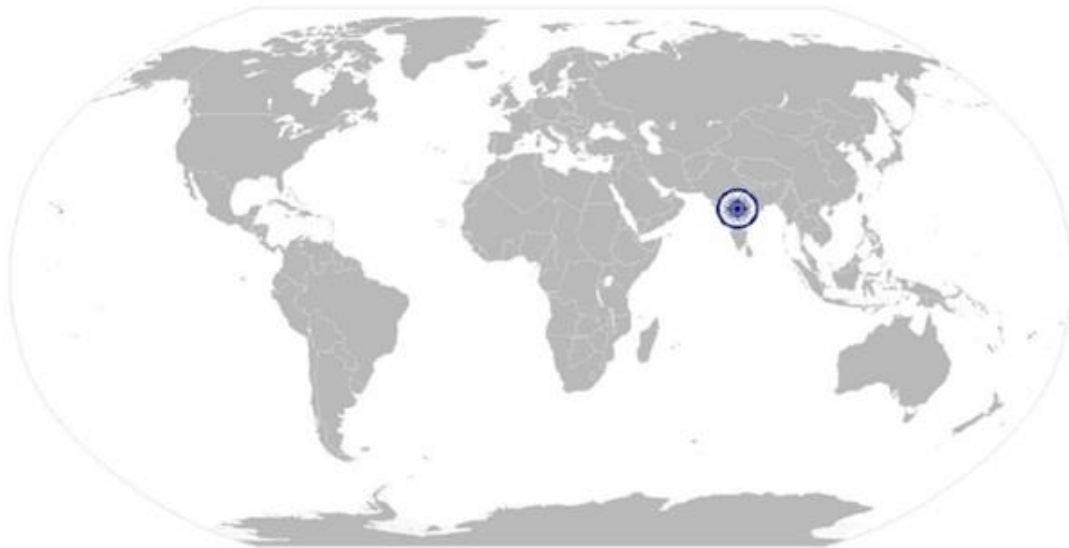
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# National Occupational Standard



## Overview

This unit provides performance criteria, knowledge, understanding, skills and abilities required to organise/maintain work areas and activities to ensure tools used for warping are maintained as per norms

### TSC/ N 9005

### Maintain work area and tools in handloom sector

|   |  |
|---|--|
| <b>Unit Code</b>  | TSC/ N 9005  |
| <b>Unit Title (Task)</b>  | Maintain work area and tools in handloom sector  |
| <b>Description</b>  | This unit provides performance criteria, knowledge, understanding, skills and abilities required to organise/maintain work areas and activities to ensure tools used for warping are maintained as per norms   |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>Maintain the work area, tools and machines</li> </ul>  |
| <b>Performance Criteria(PC) w.r.t. the Scope</b>  |  |
| <b>Element</b>  | <b>Performance Criteria</b>  |
| <b>Maintain the work area, tools and machines</b>   | To be competent, the user/individual on the job must be able to: <ul style="list-style-type: none"> <li>PC1. Handle materials and tools safely and correctly</li> <li>PC2. Use correct lifting and handling procedures</li> <li>PC3. Use materials in a manner to minimize waste</li> <li>PC4. Maintain a clean and hazard free working area</li> <li>PC5. Maintain the tools and equipment used for warping</li> <li>PC6. Carry out maintenance and/or cleaning within one's responsibility</li> <li>PC7. Identify damaged tools and materials and take action according to the standards followed</li> <li>PC8. Ensure that the correct tools and yarn required are in place</li> <li>PC9. Work with the correct posture</li> <li>PC10. Use cleaning equipment and methods appropriate for the work to be carried out</li> <li>PC11. Dispose of waste safely in the designated location</li> <li>PC12. Store cleaning equipment safely after use</li> <li>PC13. Carry out cleaning according to schedule and limits of responsibility</li> </ul> |
| <b>Knowledge and Understanding (K)</b>  |  |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KA1. Personal hygiene</li> <li>KA2. Safe working practices and Cooperative Society/NGO/SHG/cluster procedures</li> <li>KA3. Limits of your own responsibility</li> <li>KA4. Ways of resolving problems within the work area</li> <li>KA5. The production process and the specific work activities that relate to the whole process</li> <li>KA6. The importance of effective communication with colleagues</li> <li>KA7. The lines of communication, authority and reporting procedures</li> <li>KA8. The Cooperative Society/NGO/SHG/cluster rules, codes and guidelines (including time keeping).</li> <li>KA9. The company's quality standards</li> <li>KA10. The importance of complying with written instructions</li> </ul>  |
| <b>B. Technical Knowledge</b>   | The user/individual on the job needs to know and understand: <ul style="list-style-type: none"> <li>KB1. Work instructions and specifications and interpret them accurately</li> <li>KB2. Method to make use of the information detailed in specifications and instructions</li> <li>KB3. Relation between work role and the overall manufacturing process</li> </ul>  |

### TSC/ N 9005

### Maintain work area and tools in handloom sector

|  |  |
|--|--|
|  | <p>KB4. The importance of taking action when problems are identified</p> <p>KB5. Different ways of minimising waste</p> <p>KB6. Effects of contamination on products</p> <p>KB7. Common faults and the methods to rectify them</p> <p>KB8. Tools maintenance procedures</p> <p>KB9. Hazards likely to be encountered when conducting routine maintenance</p> <p>KB10. Different types of cleaning substances and their use</p> <p>KB11. Safe working practices for cleaning and the methods of carrying them out</p> |
| <b>Skills (S)</b>                          |  |
| <b>A. Core Skills /<br/>Generic Skills</b> | <b>Writing Skills</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SA1. Write in local language   |
|  | <b>Reading Skills</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SA2. Read and comprehend written instructions  |
| <b>B. Professional Skills</b>              | <b>Oral Communication (Listening and Speaking Skills)</b>  |
|  | The user/ individual on the job needs to know and understand how to:<br>SA3. Listen effectively and orally communicate information accurately<br>SA4. Ask for clarification and advice from others   |
|  | <b>Decision Making</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB1. Follow rule-based decision-making processes<br>SB2. Make decisions on a suitable course of action or response   |
| <b>B. Professional Skills</b>              | <b>Plan and Organize</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB3. Plan and organize your work to achieve targets and deadlines  |
|  | <b>Customer Centricity</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB4. Avoid absenteeism<br>SB5. Be punctual<br>SB6. Work in Discipline<br>SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations  |
|  | <b>Problem Solving</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB8. Apply problem-solving approaches in different situations<br>SB9. Seek clarification on problems from others   |
|  | <b>Analytical Thinking</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB10. Analyze data and activities<br>SB11. Pass on relevant information to others  |
|  | <b>Critical Thinking</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB12. Provide opinions on work in a detailed and constructive way<br>SB13. Apply balanced judgment to different situations   |

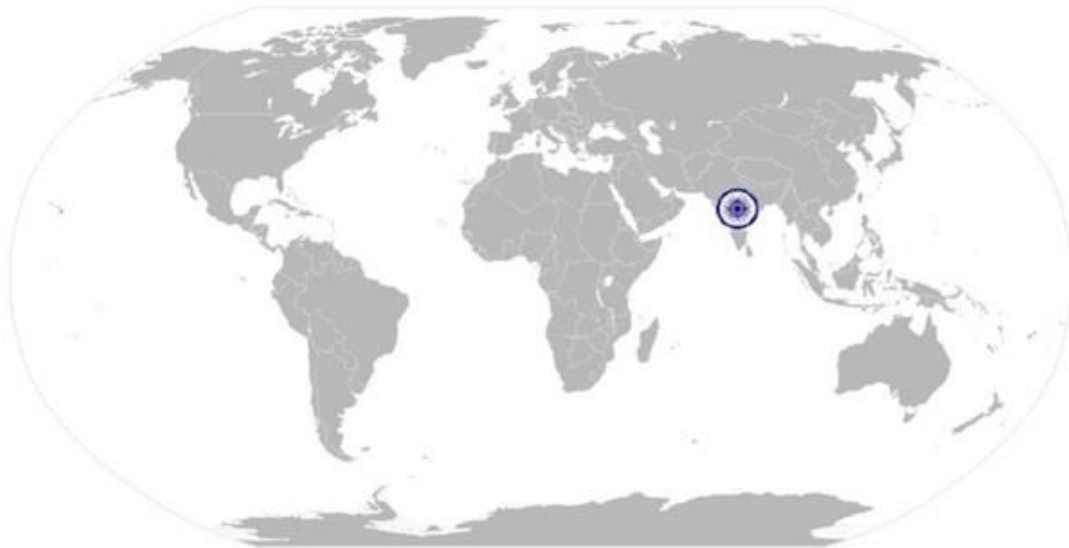
TSC/ N 9005

Maintain work area and tools in handloom sector

## NOS Version Control

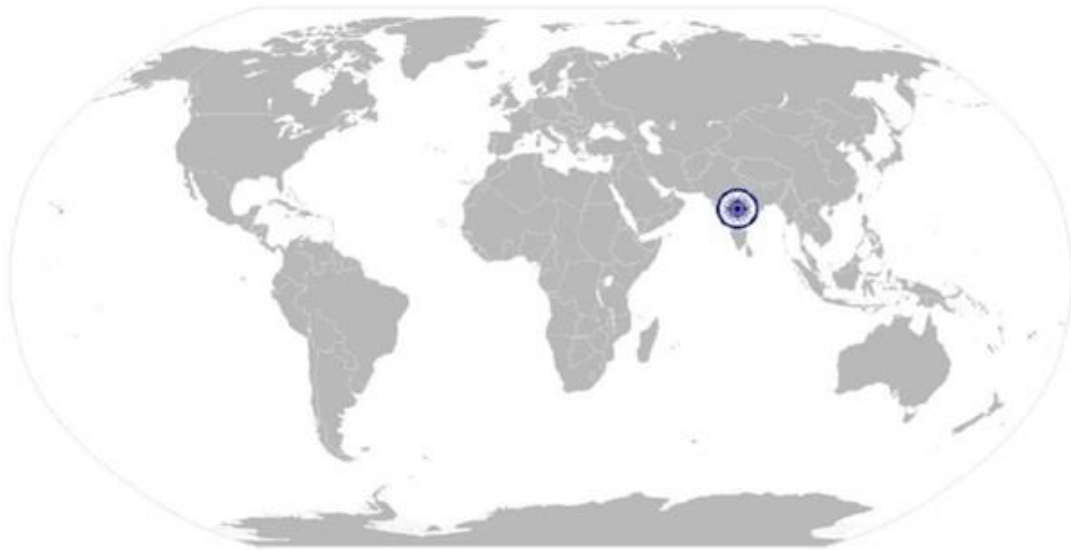
| NOS Code            | TSC/ N 9005       |                  |          |
|---------------------|-------------------|------------------|----------|
| Credits (NSQF)      | TBD               | Version number   | 1.0      |
| Sector              | Textile Sector    | Drafted on       | 19/08/15 |
| Industry Sub-sector | Handloom          | Last reviewed on | 14/09/15 |
| Occupation          | Pre Loom Operator | Next review date | 13/09/16 |

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# National Occupational Standard



## Overview

This unit provides performance criteria, knowledge, understanding, skills and abilities required to working as part of team

**TSC/ N 9006**

**Working in a team in handloom sector**

National Occupational Standard

|   |   |
|---|---|
| <b>Unit Code</b>  | <b>TSC/ N 9006</b>  |
| <b>Unit Title (Task)</b>  | <b>Working in a team in handloom sector</b>   |
| <b>Description</b>  | This unit provides performance criteria, knowledge, understanding, skills and abilities required to working as part of team   |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>• Commitment and trust</li> <li>• Communication</li> <li>• Adaptability</li> <li>• Creative freedom</li> </ul>  |
| <b>Performance Criteria(PC) w.r.t. the Scope</b>  |   |
| <b>Element</b>  | <b>Performance Criteria</b>   |
| <b>Commitment and trust</b>   | To be competent, the user/individual on the job must be able to:<br>PC1. Be accountable to one's own role in the whole process<br>PC2. Perform all roles with full responsibility<br>PC3. Be effective and efficient at workplace   |
| <b>Communication</b>  | PC4. Properly communicate about workplace policies<br>PC5. Talk politely with other team members and colleagues<br>PC6. Submit daily report of own performance  |
| <b>Adaptability</b>   | PC7. Adjust in different work situations<br>PC8. Give due importance to others' point of view<br>PC9. Avoid conflicting situations  |
| <b>Creative freedom</b>   | PC10. Improve upon the existing techniques to increase process efficiency   |
| <b>Knowledge and Understanding (K)</b>  |   |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand:<br>KA1. Standard Operating Procedures(SOP) and regulations in the Cooperative Society/NGO/SHG<br>KA2. Procedure followed to get the final output in the Cooperative Society/NGO/SHG<br>KA3. Safe working practices to be adopted in the Cooperative Society/NGO/SHG<br>KA4. Consulting the supervisor and taking relevant actions against any grievances faced |
| <b>B. Technical Knowledge</b>   | The user/individual on the job needs to know and understand:<br>KB1. Importance of commitment and trust<br>KB2. Importance of proper communication<br>KB3. Importance of adaptability<br>KB4. Importance of creative freedom  |
| <b>Skills (S)</b>   |   |
| <b>A. Core Skills / Generic Skills</b>  | <b>Writing Skills</b>   |
|   | The user/ individual on the job needs to know and understand how to:<br>SA1. Write in local language  |
|   | <b>Reading Skills</b>   |
|   | The user/ individual on the job needs to know and understand how to:  |

### TSC/ N 9006

### Working in a team in handloom sector

|                               |   |
|-------------------------------|---|
|                               | SA2. Read and comprehend written instructions   |
|                               | <b>Oral Communication (Listening and Speaking Skills)</b>   |
|                               | The user/ individual on the job needs to know and understand how to:<br>SA3. Listen effectively and orally communicate information accurately<br>SA4. Ask for clarification and advice from others  |
| <b>B. Professional Skills</b> | <b>Decision Making</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB1. Follow rule-based decision-making processes<br>SB2. Make decisions on a suitable course of action or response  |
|                               | <b>Plan and Organize</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB3. Plan and organize your work to achieve targets and deadlines   |
|                               | <b>Customer Centricity</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB4. Avoid absenteeism<br>SB5. Be punctual<br>SB6. Work in Discipline<br>SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations |
|                               | <b>Problem Solving</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB8. Apply problem-solving approaches in different situations<br>SB9. Seek clarification on problems from others  |
|                               | <b>Analytical Thinking</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB10. Analyze data and activities<br>SB11. Pass on relevant information to others   |
|                               | <b>Critical Thinking</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB12. Provide opinions on work in a detailed and constructive way<br>SB13. Apply balanced judgment to different situations  |

## NOS Version Control

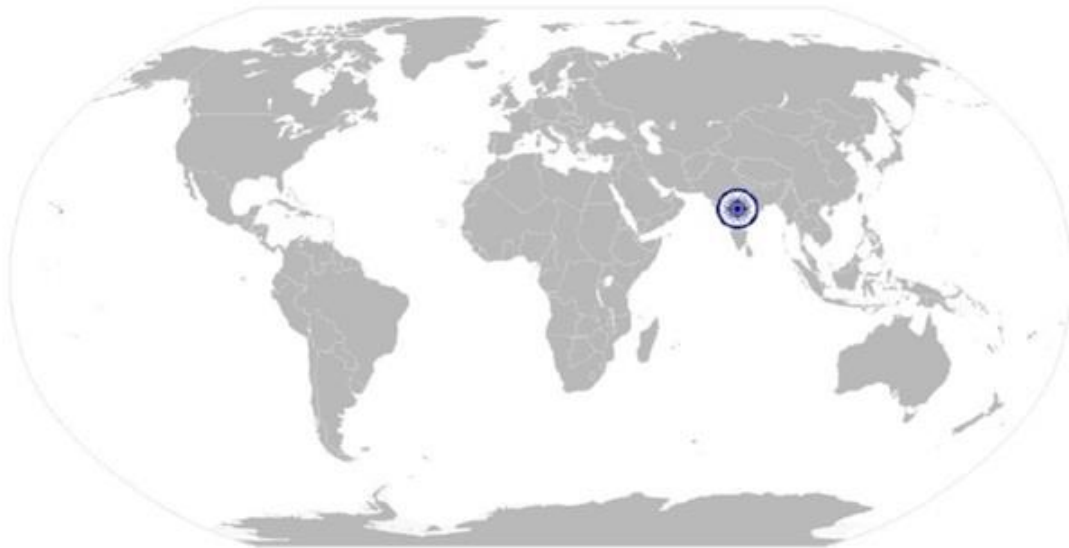
|                            |                          |                         |                 |
|----------------------------|--------------------------|-------------------------|-----------------|
| <b>NOS Code</b>            | <b>TSC/ N 9006</b>       |                         |                 |
| <b>Credits (NSQF)</b>      | <b>TBD</b>               | <b>Version number</b>   | <b>1.0</b>      |
| <b>Sector</b>              | <b>Textile Sector</b>    | <b>Drafted on</b>       | <b>19/08/15</b> |
| <b>Industry Sub-sector</b> | <b>Handloom</b>          | <b>Last reviewed on</b> | <b>14/09/15</b> |
| <b>Occupation</b>          | <b>Pre Loom Operator</b> | <b>Next review date</b> | <b>13/09/16</b> |

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**TSC/ N 9007 Maintain health, safety and security at work place in handloom sector**

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# National Occupational Standard



## Overview

This unit provides performance criteria, knowledge and understanding and skills and abilities required to comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self and others



## TSC/ N 9007 Maintain health, safety and security at work place in handloom sector

|   |   |
|---|---|
| <b>Unit Code</b>  | <b>TSC/ N 9007</b>  |
| <b>Unit Title (Task)</b>  | <b>Maintain health, safety and security at work place in handloom sector</b>  |
| <b>Description</b>  | This unit provides performance criteria, knowledge and understanding and skills and abilities required to comply with health, safety and security requirements at the workplace and covers procedures to prevent, control and minimize risk to self and others  |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>Comply with health, safety and security requirements at work</li> <li>Recognizing and addressing the hazards</li> </ul>   |
| <b>Performance Criteria(PC) w.r.t. the Scope</b>                    |   |
| <b>Element</b>  | <b>Performance Criteria</b>   |
| <b>Comply with health, safety and security requirements at work</b> | <p>To be competent, the user/individual on the job must be able to</p> <p>PC1. Comply with health and safety related instructions applicable to the workplace</p> <p>PC2. Use and maintain personal protective equipment as per protocol</p> <p>PC3. Carry out own activities in line with approved guidelines and procedures</p> <p>PC4. Maintain a healthy lifestyle and guard against dependency on in toxicants</p> <p>PC5. Follow environment management system related procedures</p> <p>PC6. Store materials and tools in line with manufacturer's and Cooperative Society/NGO/SHG requirements</p> <p>PC7. Safely handle and move waste and debris</p> <p>PC8. Minimize health and safety risks to self and others due to own actions</p> <p>PC9. Monitor the work place and work processes for potential risks and threats</p> <p>PC10. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned</p> <p>PC11. Participate in mock drills/ evacuation procedures organized at the workplace</p> <p>PC12. Undertake first aid, fire-fighting and emergency response training, if asked to do so</p> <p>PC13. Take action based on instructions in the event of fire, emergencies or accidents</p> <p>PC14. Follow Cooperative Society/NGO/SHG procedures for evacuation when required</p> |
| <b>Recognizing and addressing the hazards</b>                       | <p>PC15. Identify different kinds of possible hazards ( environmental, personal, ergonomic and chemical) of the industry</p> <p>PC16. Recognize other possible security issues existing in the workplace</p> <p>PC17. Plan the safety techniques</p> <p>PC18. Recognize different measures to curb the hazards</p> <p>PC19. Implement the programs</p> <p>PC20. Communicate the safety plans to everyone</p> <p>PC21. Attach disciplinary rules with the implementation</p>   |
| <b>Knowledge and Understanding (K)</b>                              |   |
| <b>A. Organizational Context</b>                                    | The user/individual on the job needs to know and understand:  |

### TSC/ N 9007 Maintain health, safety and security at work place in handloom sector

|   |   |
|---|---|
| (Knowledge of the company / organization and its processes) | <p>KA1. Health and safety related practices applicable at the workplace</p> <p>KA2. Potential hazards, risks and threats based on nature of operations</p> <p>KA3. Cooperative Society/NGO/SHG procedures for safe handling of tools</p> <p>KA4. Potential risks due to own actions and methods to minimize these</p> <p>KA5. Environmental management system related procedures at the workplace</p> <p>KA6. Layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points</p> <p>KA7. Potential accidents and emergencies and response to these scenarios</p> <p>KA8. Documentation formats</p> <p>KA9. Details of personnel trained in first aid, fire-fighting and emergency response</p>  |
| <b>B. Technical Knowledge</b>                               | <p>The user/individual on the job needs to know and understand:</p> <p>KB1. Occupational health and safety risks and methods</p> <p>KB2. Personal protective equipment and method of use</p> <p>KB3. Identification, handling and storage of hazardous substances</p> <p>KB4. Proper disposal system for waste and by-products</p> <p>KB5. Signage related to health and safety and their meaning</p> <p>KB6. Importance of sound health, hygiene and good habits</p> <p>KB7. Ill-effects of alcohol, tobacco and drugs</p>   |
| <b>Skills (S)</b>   |   |
| <b>A. Core Skills / Generic Skills</b>                      | <p><b>Writing Skills</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. Write in local language</p> <p><b>Reading Skills</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA2. Read and comprehend written instructions</p> <p><b>Oral Communication (Listening and Speaking Skills)</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA3. Listen effectively and orally communicate information accurately</p> <p>SA4. Ask for clarification and advice from others</p>   |
| <b>B. Professional Skills</b>                               | <p><b>Decision Making</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SB1. Follow rule-based decision-making processes</p> <p>SB2. Make decisions on a suitable course of action or response</p> <p><b>Plan and Organize</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SB3. Plan and organize your work to achieve targets and deadlines</p> <p><b>Customer Centricity</b></p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SB4. Avoid absenteeism</p> <p>SB5. Be punctual</p> <p>SB6. Work in Discipline</p> <p>SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations</p> <p><b>Problem Solving</b></p> |

### TSC/ N 9007 Maintain health, safety and security at work place in handloom sector

|  |  |
|--|--|
|  | The user/ individual on the job needs to know and understand how to:<br>SB8. Apply problem-solving approaches in different situations<br>SB9. Seek clarification on problems from others           |
|  | <b>Analytical Thinking</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB10. Analyze data and activities<br>SB11. Pass on relevant information to others  |
|  | <b>Critical Thinking</b>   |
|  | The user/ individual on the job needs to know and understand how to:<br>SB12. Provide opinions on work in a detailed and constructive way<br>SB13. Apply balanced judgment to different situations |

### NOS Version Control

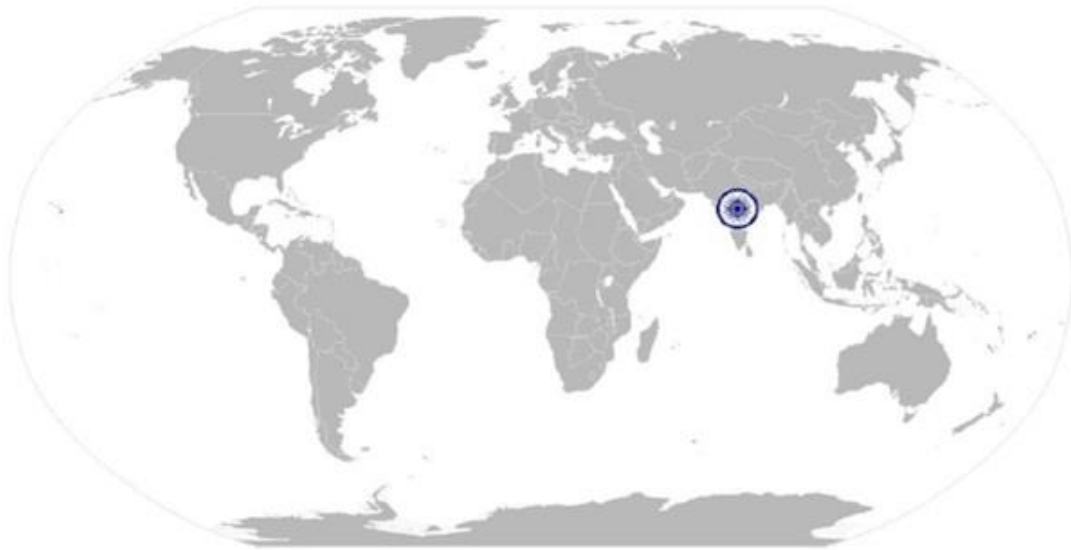
|                     |                   |                  |          |
|---------------------|-------------------|------------------|----------|
| NOS Code            | TSC/ N 9007       |                  |          |
| Credits (NSQF)      | TBD               | Version number   | 1.0      |
| Sector              | Textile Sector    | Drafted on       | 19/08/15 |
| Industry Sub-sector | Handloom          | Last reviewed on | 14/09/15 |
| Occupation          | Pre Loom Operator | Next review date | 13/09/16 |

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TSC/ N 9008 Comply with work place requirements in handloom sector

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# National Occupational Standard



## Overview

This unit provides performance criteria, knowledge and understanding and skills and abilities required to comply with the requirements of the workplace

### TSC/ N 9008 Comply with work place requirements in handloom sector

|   |   |
|---|---|
| <b>Unit Code</b>  | TSC/ N 9008   |
| <b>Unit Title (Task)</b>  | Comply with work place requirements in handloom sector  |
| <b>Description</b>  | This unit provides performance criteria, knowledge and understanding and skills and abilities required to comply with the requirements of the workplace   |
| <b>Scope</b>  | This unit/task covers the following: <ul style="list-style-type: none"> <li>Self-development</li> <li>Team work</li> <li>Organizational standards</li> </ul>  |
| <b>Performance Criteria(PC) w.r.t. the Scope</b>  |   |
| <b>Element</b>  | <b>Performance Criteria</b>   |
| <b>Self- development</b>  | To be competent, the user/individual on the job must be able to :<br>PC1. Perform own duties effectively<br>PC2. Take responsibility for own actions<br>PC3. Be accountable towards the job role and assigned duties<br>PC4. Take initiative and innovate the existing methods<br>PC5. Focus on self-learning and improvement |
| <b>Team Work</b>  | PC6. Co-ordinate with all team members and colleagues<br>PC7. Communicate politely<br>PC8. Avoid conflicts and miscommunication   |
| <b>Organizational standards</b>   | PC9. Know the organizational standards<br>PC10. Implement them in your performance<br>PC11. Motivate others to follow them  |
| <b>Knowledge and Understanding (K)</b>  |   |
| <b>A. Organizational Context</b><br>(Knowledge of the company / organization and its processes) | The user/individual on the job needs to know and understand:<br>KA1. Standard Operating Procedures (SOP) and regulations in the Cooperative Society/NGO/SHG<br>KA2. Knowledge of workplace standards  |
| <b>B. Technical Knowledge</b>   | The user/individual on the job needs to know and understand:<br>KB1. Importance of self-development<br>KB2. Importance of team work<br>KB3. Importance of understanding and complying with organizational standards   |
| <b>Skills (S)</b>   |   |
| <b>A. Core Skills / Generic Skills</b>  | <b>Writing Skills</b>   |
|   | The user/ individual on the job needs to know and understand how to:<br>SA1. Write in local language  |
|   | <b>Reading Skills</b>   |
|   | The user/ individual on the job needs to know and understand how to:<br>SA2. Read and comprehend written instructions   |
| <b>A. Core Skills / Generic Skills</b>  | <b>Oral Communication (Listening and Speaking Skills)</b>   |
|   | The user/ individual on the job needs to know and understand how to:<br>SA3. Listen effectively and orally communicate information accurately   |

### TSC/ N 9008 Comply with work place requirements in handloom sector

|                               |   |
|-------------------------------|---|
|                               | SA4. Ask for clarification and advice from others   |
| <b>B. Professional Skills</b> | <b>Decision Making</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB1. Follow rule-based decision-making processes<br>SB2. Make decisions on a suitable course of action or response  |
|                               | <b>Plan and Organize</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB3. Plan and organize your work to achieve targets and deadlines   |
|                               | <b>Customer Centricity</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB4. Avoid absenteeism<br>SB5. Be punctual<br>SB6. Work in Discipline<br>SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations |
|                               | <b>Problem Solving</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB8. Apply problem-solving approaches in different situations<br>SB9. Seek clarification on problems from others  |
|                               | <b>Analytical Thinking</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB10. Analyze data and activities<br>SB11. Pass on relevant information to others   |
|                               | <b>Critical Thinking</b>  |
|                               | The user/ individual on the job needs to know and understand how to:<br>SB12. Provide opinions on work in a detailed and constructive way<br>SB13. Apply balanced judgment to different situations  |

## NOS Version Control

| NOS Code            | TSC/ N 9008       |                  |          |
|---------------------|-------------------|------------------|----------|
| Credits (NSQF)      | TBD               | Version number   | 1.0      |
| Sector              | Textile Sector    | Drafted on       | 19/08/15 |
| Industry Sub-sector | Handloom          | Last reviewed on | 14/09/15 |
| Occupation          | Pre Loom Operator | Next review date | 13/09/16 |

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## CRITERIA FOR ASSESSMENT OF TRAINEES

**Job Role:** Hank Dyer

**Qualification Pack:** TSC/ Q 7201

**Sector Skill Council:** Textile Sector Skill Council

### Guidelines for Assessment:

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on these criteria
5. To pass the Qualification Pack, every trainee should score a minimum of 70% in every NOS
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

| Assessable Outcomes  | Assessment Criteria  | Total Mark | Out of | Theory | Skills Practical /Viva |
|--|--|------------|--------|--------|------------------------|
| <b>TSC/N 7201</b><br>(Carry out pre dyeing activities: desizing, scouring, bleaching etc.) | PC1.Receive the material to be dyed and weigh it   | 150        | 8      | 2      | 6                      |
|  | PC2.Maintain a proper record of received yarn and date of delivery                       |            | 8      | 3      | 5                      |
|  | PC3.Identify the type of yarns: cotton, wool, silk, blend etc.                           |            | 10     | 4      | 6                      |
|  | PC4.Analyse the type of pre dyeing activities to be carried out                          |            | 25     | 10     | 15                     |
|  | PC5.Check that the container for carrying out pre dyeing activities is clean             |            | 8      | 3      | 5                      |
|  | PC6.Ensure that the right quality of water and other chemicals is available              |            | 8      | 3      | 5                      |
|  | PC7.Weigh and arrange the required chemicals for preparing the bath                      |            | 8      | 2      | 6                      |
|  | PC8.Prepare the bath for carrying out pre dyeing activities                              |            | 10     | 3      | 7                      |
|  | PC9.Ensure that the right condition (temperature, pH level etc.) of the bath is prepared |            | 10     | 4      | 6                      |
|  | PC10. Ensure proper immersion and timely rotation of yarn if required.                   |            | 10     | 4      | 6                      |
|  | PC11.Carry out pre dyeing activities as per the specified time limit                     |            | 20     | 6      | 14                     |
|  | PC12.Clean the container used for carrying out pre dyeing activities                     |            | 10     | 4      | 6                      |
|  | PC13.Dispose of the waste materials in the approved manner                               |            | 10     | 4      | 6                      |
|  | PC14.Leave the work area safe and secure when  |            | 5      | 2      | 3                      |

|   |  |            |            |           |            |
|---|--|------------|------------|-----------|------------|
|   | work is complete   |            |            |           |            |
|   | <b>Total</b>   | <b>150</b> | <b>150</b> | <b>54</b> | <b>96</b>  |
| <b>TSC/N 7202<br/>(Carry out dyeing of hank yarn)</b>     | PC1. Identify the right type of dye for dyeing the selected yarn   | 200        | 30         | 12        | 18         |
|   | PC2. Check that the container for carrying out dyeing is clean   |            | 10         | 4         | 6          |
|   | PC3. Ensure that the right quality of water, dye and other chemicals is available  |            | 12         | 5         | 7          |
|   | PC4. Weigh and arrange the required chemicals and dyes for preparing the bath  |            | 26         | 8         | 18         |
|   | PC5. Prepare the bath for carrying out dyeing  |            | 26         | 8         | 18         |
|   | PC6. Ensure that the right condition (temperature, pH level etc.) of the bath is prepared  |            | 20         | 8         | 12         |
|   | PC7. Ensure proper immersion and timely rotation of yarn if required.  |            | 20         | 8         | 12         |
|   | PC8. Carry out dyeing of selected yarn as per the specified time limit   |            | 19         | 5         | 14         |
|   | PC9. Clean the container used for carrying out dyeing  |            | 15         | 6         | 9          |
|   | PC10. Dispose of the waste materials in the approved manner  |            | 14         | 5         | 9          |
|   | PC11. Leave work area safe and secure when work is complete  |            | 8          | 3         | 5          |
|   | <b>Total</b>   | <b>200</b> | <b>200</b> | <b>72</b> | <b>128</b> |
| <b>TSC/N 7203<br/>(Carry out finishing of dyed yarns)</b> | PC1. Analyse the type of finishing activities (washing, soaping, softening, fixing, sizing etc.) to be carried out according to yarn, dye type and specific end used | 150        | 28         | 11        | 17         |
|   | PC2. Weigh and arrange the required chemicals for preparing the bath   |            | 24         | 7         | 17         |
|   | PC3. Check that the container for carrying out finishing activities is clean   |            | 8          | 2         | 6          |
|   | PC4. Ensure that the right quality of water and other chemicals is available   |            | 10         | 4         | 6          |
|   | PC5. Prepare the bath for carrying out finishing activities  |            | 25         | 10        | 15         |
|   | PC6. Carry out required finishing activities   |            | 20         | 6         | 14         |
|   | PC7. Depending upon the type of dye used, follow the technique for drying (sunlight or shade etc.)   |            | 15         | 6         | 9          |
|   | PC8. Dispose of the waste materials in the approved manner   |            | 10         | 4         | 6          |
|   | PC9. Leave work area safe and secure when work is complete   |            | 10         | 4         | 6          |
|   | <b>Total</b>   | <b>150</b> | <b>150</b> | <b>54</b> | <b>96</b>  |
| <b>TSC/N 9005<br/>(Maintain work area and</b>             | PC1. Handle materials and tools safely and correctly   | 50         | 5          | 2         | 3          |
|   | PC2. Use correct lifting and handling procedures   |            | 3          | 1         | 2          |
|   | PC3. Use materials in a manner to minimize waste   |            | 3          | 1         | 2          |



|  |  |     |              |           |           |
|--|--|-----|--------------|-----------|-----------|
| <b>tools in handloom sector)</b>   | PC4.Maintain a clean and hazard free working area  |     | 3            | 1         | 2         |
|  | PC5.Maintain the tools and equipment used  |     | 5            | 2         | 3         |
|  | PC6.Carry out maintenance and/or cleaning within one's responsibility                                  |     | 5            | 2         | 3         |
|  | PC7.Identify damaged tools and materials and take action according to the standards followed           |     | 5            | 2         | 3         |
|  | PC8.Ensure that the correct tools and yarn required are in place                                       |     | 3            | 1         | 2         |
|  | PC9.Work in the correct posture  |     | 3            | 1         | 2         |
|  | PC10.Use cleaning equipment and methods appropriate for the work to be carried out                     |     | 3            | 1         | 2         |
|  | PC11.Dispose of waste safely in the designated location  |     | 4            | 2         | 2         |
|  | PC12.Store cleaning equipment safely after use   |     | 3            | 1         | 2         |
|  | PC13.Carry out cleaning according to schedule and limits of responsibility                             |     | 5            | 2         | 3         |
|  |  |     | <b>Total</b> | <b>50</b> | <b>50</b> |
| <b>TSC/N 9006 (Working in a team in handloom sector</b>                                  | PC1.Be accountable to the own role in whole process  | 50  | 6            | 2         | 4         |
|  | PC2.Perform all roles with full responsibility   |     | 5            | 1         | 4         |
|  | PC3.Be effective and efficient at workplace  |     | 4            | 2         | 2         |
|  | PC4.Properly communicate about workplace policies  |     | 5            | 2         | 3         |
|  | PC5.Talk politely with other team members and colleagues   |     | 5            | 2         | 3         |
|  | PC6.Submit daily report of own performance   |     | 6            | 2         | 4         |
|  | PC7.Adjust in different work situations  |     | 5            | 2         | 3         |
|  | PC8.Give due importance to others' point of view   |     | 5            | 2         | 3         |
|  | PC9.Avoid conflicting situations   |     | 5            | 2         | 3         |
|  | PC10.Improve upon the existing techniques to increase process efficiency                               |     | 4            | 2         | 2         |
|  |  |     | <b>Total</b> | <b>50</b> | <b>50</b> |
| <b>TSC/N 9007 (Maintain health, safety and security at workplace in handloom sector)</b> | PC1.Comply with health and safety related instructions applicable to the workplace                     | 100 | 6            | 2         | 4         |
|  | PC2.Use and maintain personal protective equipment as per protocol                                     |     | 6            | 2         | 4         |
|  | PC3.Carry out own activities in line with approved guidelines and procedures                           |     | 4            | 1         | 3         |
|  | PC4.Maintain a healthy lifestyle and guard against dependency on intoxicants                           |     | 4            | 1         | 3         |
|  | PC5.Follow environment management system related procedures  |     | 4            | 1         | 3         |
|  | PC6.Store materials and tools in line with manufacturer's and Cooperative Society/NGO/SHG requirements |     | 4            | 2         | 2         |
|  | PC7.Safely handle and move waste and debris  |     | 4            | 2         | 2         |

|  |  |            |            |            |           |
|--|--|------------|------------|------------|-----------|
|  | PC8.Minimize health and safety risks to self and others due to own actions   |            | 6          | 2          | 4         |
|  | PC9.Monitor the work place and work processes for potential risks and threats  |            | 6          | 2          | 4         |
|  | PC10.Carry out periodic walk –through to keep work area free from hazards and obstructions, if assigned              |            | 6          | 2          | 4         |
|  | PC11.Participate in mock drills/ evacuation procedures organized at the workplace                                    |            | 4          | 2          | 2         |
|  | PC12.Undertake first aid, fire-fighting and emergency response training, if asked to do so                           |            | 6          | 2          | 4         |
|  | PC13.Take action based on instructions in the event of fire, emergencies or accidents                                |            | 6          | 2          | 4         |
|  | PC14.Follow Cooperative Society/NGO/SHG procedures for evacuation when required                                      |            | 4          | 1          | 3         |
|  | PC15.Identify different kinds of possible hazards (environmental, personal, ergonomic, and chemical) of the industry |            | 4          | 1          | 3         |
|  | PC16.Recognise other possible security issues existing in the workplace  |            | 4          | 1          | 3         |
|  | PC17.Planning the safety techniques  |            | 5          | 2          | 3         |
|  | PC18.Recognise different measures to curb the hazards  |            | 4          | 1          | 3         |
|  | PC19.Implementing the programs   |            | 5          | 2          | 3         |
|  | PC20.Communicate the safety plan to everyone   |            | 4          | 1          | 3         |
|  | PC21.Attach disciplinary rules with the implementation   |            | 4          | 1          | 3         |
|  | <b>Total</b>   | <b>100</b> | <b>100</b> | <b>33</b>  | <b>67</b> |
| <b>TSC/N 9008( Comply with work place requirements in handloom sector)</b> | PC1.Perform own duties effectively   | 50         | 5          | 2          | 3         |
|  | PC2.Take responsibility for own actions  |            | 5          | 2          | 3         |
|  | PC3.Be accountable towards the job role and assigned duties  |            | 5          | 2          | 3         |
|  | PC4.Take initiative and innovate the existing methods  |            | 3          | 1          | 2         |
|  | PC5.Focus on self-learning and improvement   |            | 5          | 2          | 3         |
|  | PC6.Co-ordinate with all the team members and colleagues   |            | 5          | 2          | 3         |
|  | PC7.Communicate politely   |            | 5          | 2          | 3         |
|  | PC8.Avoid conflicts and miscommunication   |            | 5          | 2          | 3         |
|  | PC9.Know the organisational standards  |            | 5          | 2          | 3         |
|  | PC10.Implement them in your performance  |            | 5          | 2          | 3         |
|  | PC11.Motivate others to follow them  |            | 2          | 1          | 1         |
|  | <b>Total</b>   | <b>50</b>  | <b>50</b>  | <b>20</b>  | <b>30</b> |
| <b>Grand Total</b>   | <b>750</b>   | <b>750</b> | <b>271</b> | <b>479</b> |           |