

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



Contents

1. [Introduction and Contacts.....](#) Page no. 1
2. [Qualifications Pack.....](#)Page no.2
3. [OS Units.....](#)Page no.2
4. [Glossary of Key Terms](#)Page no.3
5. [Assessment Criteria.....](#)Page no.23

Introduction

Qualification Pack - Two shaft Handloom Weaver

SECTOR:	TEXTILES SECTOR
SUB SECTOR:	Handloom
OCCUPATION:	Weaver
REFERENCE ID:	TSC/Q 7303
ALIGNED TO:	NCO-2004/7432.58

Brief Job Description: A two shaft handloom weaver is the one who weaves various types of fabrics and artistic textiles by hand using a handloom. A weaver can weave basic weaves- Plain and its variations, using different kinds of yarns- cotton/wool/silk on a fly-shuttle or throw-shuttle handloom. The job requires the weaver to weave the basic weaves on the loom as per pattern or design provided

Personal Attributes: A weaver should have good eyesight, hand-eye coordination, motor skills and vision (including near vision, distance vision, colour vision, peripheral vision, depth perception and ability to change focus)

Qualification Pack For Warper

Job Details

Qualifications Pack Code	TSC/Q 7303		
Job Role	Two shaft Handloom Weaver		
Credits(NSQF)	TBD	Version number	1.0
Sector	Textile Sector	Drafted on	19/08/15
Sub-sector	Handloom	Last reviewed on	14/09/15
Occupation	Weaver	Next review date	13/09/16
NSQF Clearance on*	19/02/2016		

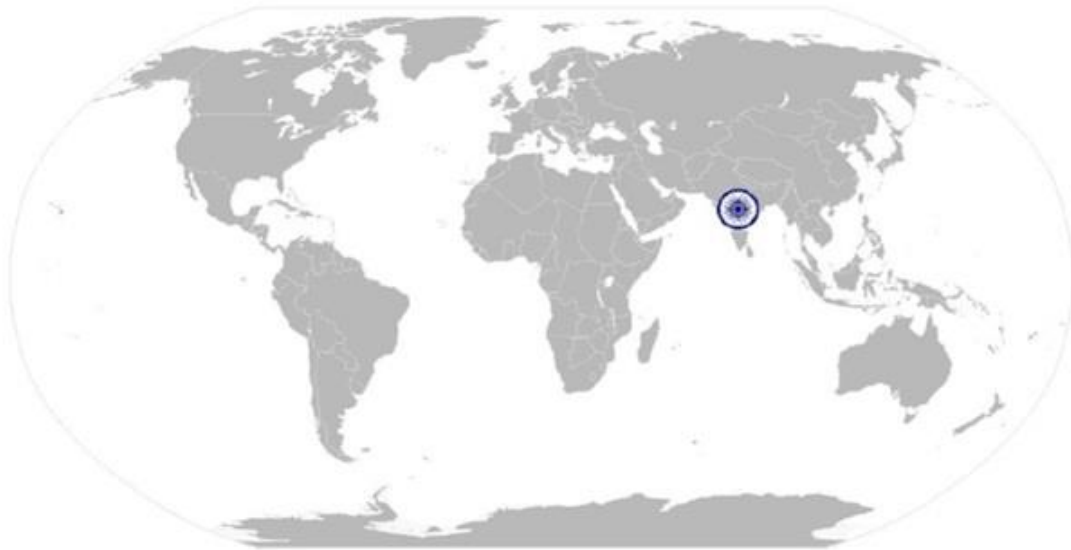
Job Role	Two shaft Handloom Weaver
Role Description	To operate a handloom to weave basic weaves- plain and its variation using cotton/wool/silk yarns
NSQF level	4
Minimum Educational Qualifications*	Preferably, 8th Standard
Maximum Educational Qualifications*	Not applicable
Training	Not mandatory
Minimum Job Entry Age	18 Years
Experience	Preferably, 1-2 years
Applicable National Occupational Standards (NOS)	<p>Compulsory</p> <ol style="list-style-type: none"> 1. TSC/ N 7305 Carry out pre weaving activities 2. TSC/ N 7306 Operate the loom 3. TSC/ N 7307 Contribute to achieve quality in handloom weaving 4. TSC/ N 9005 Maintain work area and tools in handloom sector 5. TSC/ N 9006 Working in a team in handloom sector 6. TSC/ N 9007 Maintain health, safety and security at work place in handloom sector 7. TSC/ N 9008 Comply with work place requirements in handloom sector <p>Optional: N.A.</p>
Performance Criteria	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.

Qualification Pack For Warper

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	

National Occupational Standard



Overview

This unit provides performance criteria, knowledge and understanding and skills and abilities required to carry out pre weaving operations- checking and ensuring the drafting, denting, filled pirns and looms and analysing the design

National Occupational Standards

TSC/ N 7305

Carry out pre weaving activities

National Occupational Standard

Unit Code	TSC/ N 7305
Unit Title (Task)	Carry out pre weaving activities
Description	This unit provides performance criteria, knowledge and understanding and skills and abilities required to carry out pre weaving operations- checking and ensuring the drafting, denting, filled pirns and looms and analysing the design
Scope	This unit/task covers the following: <ul style="list-style-type: none"> • Checking and ensuring the pre loom activities • Analyse the weave design and place the pirn
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Checking and ensuring the pre- looms activities	To be competent, the user/individual on the job must be able to: <p>PC1. Gait the warp sheet properly and keep the warp sheet in proper tension</p> <p>PC2. Check the shedding, picking and beating mechanisms</p> <p>PC3. Check the let-off and take- up mechanisms</p> <p>PC4. Check the condition of the warp beam, for cross ends, ends pulling out particularly at the selvedge</p> <p>PC5. Check the cleanliness of the machines and other work areas</p> <p>PC6. Check whether any spare/raw material/ tool / fabric/ any other material are thrown under the machines or in the other work areas.</p> <p>PC7. Ensure that the attached warp is drafted and dented as per the instructions and design specifications provided</p> <p>PC8. Keep the number of shuttles required ready and its loading with proper colour of pirns</p> <p>PC9. Check the availability of the filled pirns and the condition of the same</p> <p>PC10. Check the tip of the shuttle</p> <p>PC11. Attach the free end of warp with cloth beam properly</p>
Analyse the weave design and place the pirn	PC12. Read the given design PC13. Analyse and interpret the given design (plain or its variations) which needs to be woven PC14. Place the filled pirns in the shuttle properly
Knowledge and Understanding (K)	
A. Organizational Context (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>

TSC/ N 7305

Carry out pre weaving activities

	<p>KA8. Documenting procedure in case of faults in own/ others' processes</p> <p>KA9. Whom 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> <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. Technical Knowledge</p>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. Different parts of the handloom</p> <p>KB2. Different types of fiber, yarn, count, twist etc.</p> <p>KB3. Loom dimensions and other specifications</p> <p>KB4. Types of basic weaves- plain and its variations</p> <p>KB5. Technical terms associated with all pre-loom operations</p> <p>KB6. Types of tools and equipment used</p> <p>KB7. Step-by-step process flow involved in the pre-loom operations</p> <p>KB8. Causes for fabric defects due to improper pre-loom activities and defective loom</p>
<p>Skills (S)</p>	
<p>A. Core Skills / Generic Skills</p>	<p>Writing Skills</p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. Write in local language</p> <p>Reading Skills</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>Oral Communication (Listening and Speaking Skills)</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. Professional Skills</p>	<p>Decision Making</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>Plan and Organize</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>Customer Centricity</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>

National Occupational Standards

TSC/ N 7305

Carry out pre weaving activities

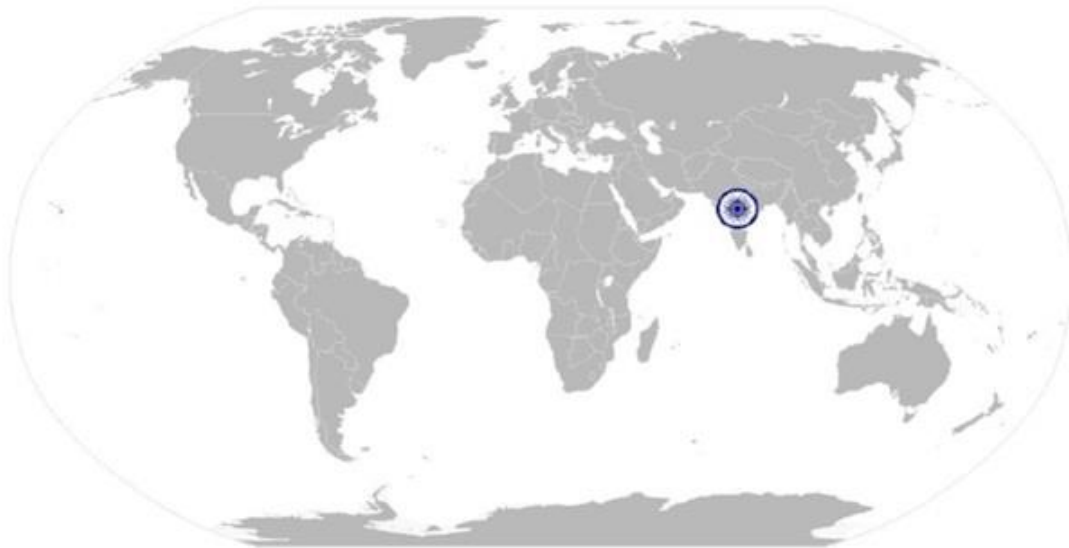
	SB6. Work in Discipline
	SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
	Problem Solving
	The user/ individual on the job needs to know and understand how to:
	SB8. Apply problem-solving approaches in different situations
	SB9. Seek clarification on problems from others
	Analytical Thinking
The user/ individual on the job needs to know and understand how to:	
SB10. Analyze data and activities	
SB11. Pass on relevant information to others	
Critical Thinking	
The user/ individual on the job needs to know and understand how to:	
SB12. Provide opinions on work in a detailed and constructive way	
SB13. Apply balanced judgment to different situations	

NOS Version Control

NOS Code	TSC/ N 7305		
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	Weaver	Next review date	13/09/16

[Back To Top](#)

National Occupational Standard



Overview

This unit provides performance criteria, knowledge and understanding and skills and abilities required to carry out basic weaving operations: Shedding/Picking/Beating to weave fabrics comprising of basic weaves- Plain and its variation on handloom

National Occupational Standards

TSC / N 7306

Operate the loom

National Occupational Standard

Unit Code	TSC / N 7306
Unit Title (Task)	Operate the loom
Description	This unit provides performance criteria, knowledge and understanding and skills and abilities required to carry out basic weaving operations: Shedding/Picking/Beating to weave fabrics comprising of basic weaves- Plain and its variation on handloom
Scope	This unit/task covers the following: <ul style="list-style-type: none"> Carry out the weaving process Ensure the specified quality
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Carry out the weaving process	To be competent, the user/individual on the job must be able to : <ul style="list-style-type: none"> PC1. Carry-out the primary weaving operations: <ul style="list-style-type: none"> a. Shedding b. Picking c. Beating PC2. Carry-out the secondary weaving operations: <ul style="list-style-type: none"> a. Take-up b. Let-off PC3. Carry out the auxiliary weaving operations: <ul style="list-style-type: none"> a. Temple motion b. Shuttle changing PC4. Refer and follow the specifications in case of any doubt PC5. Use the correct tools and materials PC6. Ensure that proper tension on warp is maintained PC7. Check that the materials to be used are free from faults, in case of any, repair fault
Ensure the specified quality	<ul style="list-style-type: none"> PC8. Conform to the specified quality standards of weaving PC9. Identify any damaged work and rectify it PC10. Leave the work area safe and secure when work is complete free from hazards
Knowledge and Understanding (K)	
A. Organizational Context (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"> KA1. The Cooperative Society/NGO/SHG/Cluster policies, procedures, guidelines and standards for quality KA2. Safe working practices and Cooperative Society/NGO/SHG procedures KA3. Quality systems and other processes practiced in the Cooperative Society/NGO/SHG/cluster KA4. Details of the job role and responsibilities KA5. Limits of personal responsibility KA6. Types of problems with quality and how to report them to concerned person KA7. The importance of complying with written instructions KA8. Documenting procedure in case of faults in own/ others' processes KA9. Who to refer problems to when they are outside the limit of your authority

TSC / N 7306

Operate the loom

	<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. Technical Knowledge</p>	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. Functions of different parts of the handloom</p> <p>KB2. Operational knowledge for undertaking primary and secondary weaving operations using handlooms</p> <p>KB3. Use of design specification sheet and understanding the technical requirements of the fabric to be woven</p> <p>KB4. Knowledge on basic weaves</p> <p>KB5. Different types of defects/quality errors/issues and methods/ways to rectify them</p> <p>KB6. Characteristics of the yarns to be used for handloom weaving and how they differ</p> <p>KB7. Common hazards in the work area and work place procedures for dealing with them</p>
<p>Skills (S)</p>	
<p>A. Core Skills / Generic Skills</p>	<p>Writing Skills</p> <p>The user/ individual on the job needs to know and understand how to:</p> <p>SA1. Write in local language</p> <p>Reading Skills</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>Oral Communication (Listening and Speaking Skills)</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. Professional Skills</p>	<p>Decision Making</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>Plan and Organize</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>Customer Centricity</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>

National Occupational Standards

TSC / N 7306

Operate the loom

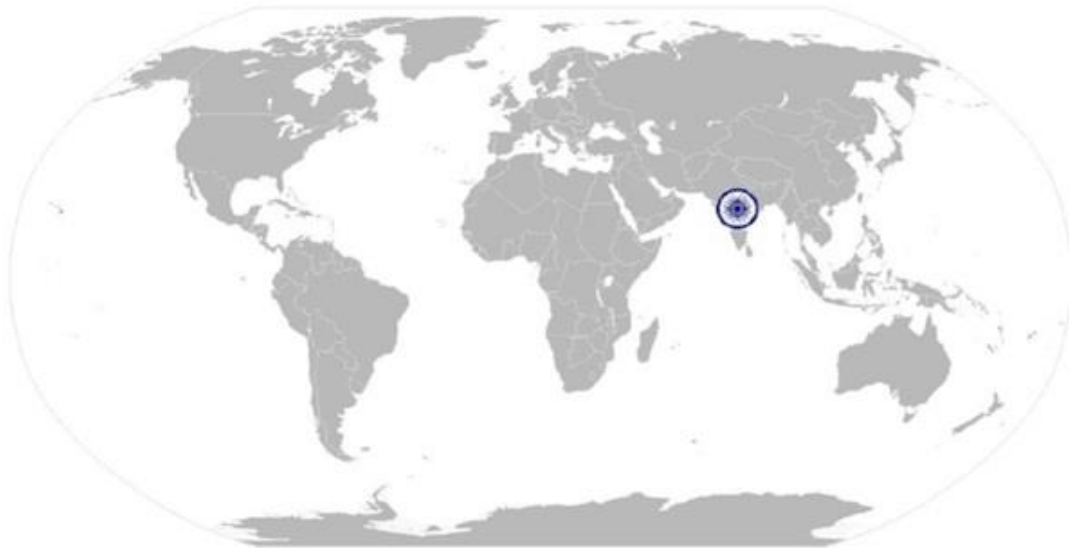
	SB6. Work in Discipline
	SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
	Problem Solving
	The user/ individual on the job needs to know and understand how to:
	SB8. Apply problem-solving approaches in different situations
	SB9. Seek clarification on problems from others
	Analytical Thinking
The user/ individual on the job needs to know and understand how to:	
SB10. Analyze data and activities	
SB11. Pass on relevant information to others	
Critical Thinking	
The user/ individual on the job needs to know and understand how to:	
SB12. Provide opinions on work in a detailed and constructive way	
SB13. Apply balanced judgment to different situations	

NOS Version Control

NOS Code	TSC / N 7306		
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	Weaver	Next review date	13/09/16

[Back To Top](#)

National Occupational Standard



Overview

This unit provides performance criteria, knowledge and understanding and skills and abilities required to monitor the quality while undertaking handloom weaving related activities to ensure that the woven fabrics meet specifications

TSC/ N 7307

Contribute to achieve quality in handloom weaving

National Occupational Standard

Unit Code	TSC/ N 7307
Unit Title (Task)	Contribute to achieve quality in handloom weaving
Description	This unit provides performance criteria, knowledge and understanding and skills and abilities required to monitor the quality while undertaking handloom weaving related activities to ensure that the woven fabrics meet specifications
Scope	This unit/task covers the following: <ul style="list-style-type: none"> Contribute to achieving the quality in handloom weaving related operations
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Contribute to achieving the quality in handloom weaving related operations	To be competent, the user/individual on the job must be able to <p>PC1. Identify and use raw materials as per the specifications provided</p> <p>PC2. Identify faulty materials and component parts and get them rectified</p> <p>PC3. Identify mendable defects and rework on them</p> <p>PC4. Make adjustments promptly to ensure the hand-woven fabric matches the specification</p> <p>PC5. Carry out work safely and at a rate which maintains required work flow</p> <p>PC6. Carry out quality checks at specified intervals according to the specifications</p> <p>PC7. Apply the allowed tolerances</p> <p>PC8. Identify materials and components which can cause crease, stain and damage</p>
Knowledge and Understanding (K)	
A. Organizational Context (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> <p>KA15. Documentation formats</p>

TSC/ N 7307

Contribute to achieve quality in handloom weaving

	<p>KA16. Protocol in case of work related risks/ problems KA17. Method of obtaining/giving feedback related to performance KA18. Methods to present any ideas for improvement</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand: KB1. Different types of fibers, yarns, count, twist etc. KB2. Different types of faults that are likely to be found and how to put them right KB3. Different techniques and methods used to detect faults KB4. Consequences of using incorrect tools for hand-weaving KB5. Types of faults which may occur, how they are identified and methods to deal with it KB6. Different types of defects KB7. The importance of marking and segregating rejects KB8. Inspect hand-woven fabrics against specifications KB9. Identify, mark and place rejects in the designated locations KB10. Appropriate inspection methods that can be used KB11. Acceptable solutions for particular faults KB12. The consequences of not rectifying problems KB13. The types of adjustments suitable for specific types of faults KB14. Own responsibilities at work</p>
Skills (S)	
A. Core Skills / Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. Write in local language
	Reading Skills
	The user/ individual on the job needs to know and understand how to: SA2. Read and comprehend written instructions
B. Professional Skills	Oral Communication (Listening and Speaking Skills)
	The user/ individual on the job needs to know and understand how to: SA3. Listen effectively and orally communicate information accurately SA4. Ask for clarification and advice from others
	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. Follow rule-based decision-making processes SB2. Make decisions on a suitable course of action or response
B. Professional Skills	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB3. Plan and organize your work to achieve targets and deadlines
	Customer Centricity
	The user/ individual on the job needs to know and understand how to: SB4. Avoid absenteeism SB5. Be punctual SB6. Work in Discipline SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
B. Professional Skills	Problem Solving

TSC/ N 7307

Contribute to achieve quality in handloom weaving

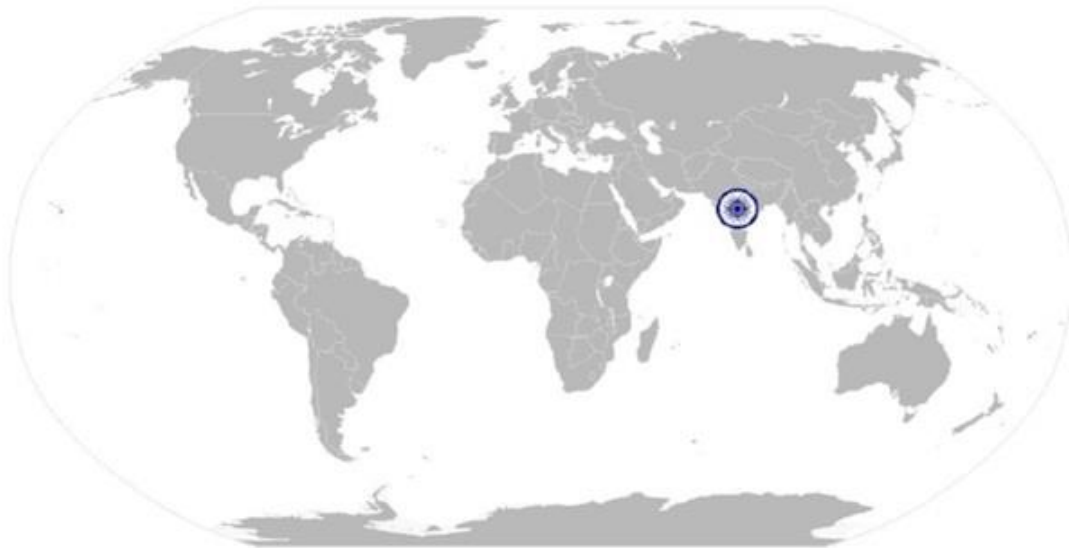
	The user/ individual on the job needs to know and understand how to: SB8. Apply problem-solving approaches in different situations SB9. Seek clarification on problems from others
	Analytical Thinking
	The user/ individual on the job needs to know and understand how to: SB10. Analyze data and activities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

NOS Version Control

NOS Code	TSC/ N 7307		
Credits (NSQF)	TBD	Version number	1.0
Sector	Textile Sector	Drafted on	19/08/15
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[Back To Top](#)

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

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

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 minimizing 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>
Skills (S)	
A. Core Skills / Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. Write in local language
	Reading Skills
	The user/ individual on the job needs to know and understand how to: SA2. Read and comprehend written instructions
B. Professional Skills	Oral Communication (Listening and Speaking Skills)
	The user/ individual on the job needs to know and understand how to: SA3. Listen effectively and orally communicate information accurately SA4. Ask for clarification and advice from others
	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. Follow rule-based decision-making processes SB2. Make decisions on a suitable course of action or response
	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB3. Plan and organize your work to achieve targets and deadlines
	Customer Centricity
	The user/ individual on the job needs to know and understand how to: SB4. Avoid absenteeism SB5. Be punctual SB6. Work in Discipline SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
	Problem Solving
	The user/ individual on the job needs to know and understand how to: SB8. Apply problem-solving approaches in different situations SB9. Seek clarification on problems from others
Analytical Thinking	
The user/ individual on the job needs to know and understand how to: SB10. Analyze data and activities SB11. Pass on relevant information to others	
Critical Thinking	
The user/ individual on the job needs to know and understand how to: SB12. Provide opinions on work in a detailed and constructive way SB13. Apply balanced judgment to different situations	

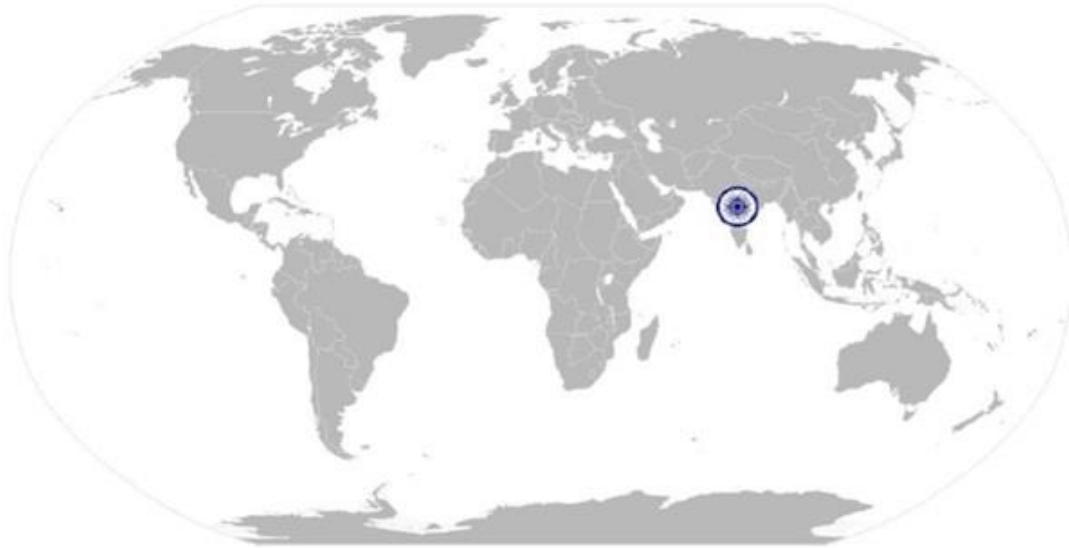
TSC/ N 9005

Maintain work area and tools in handloom sector

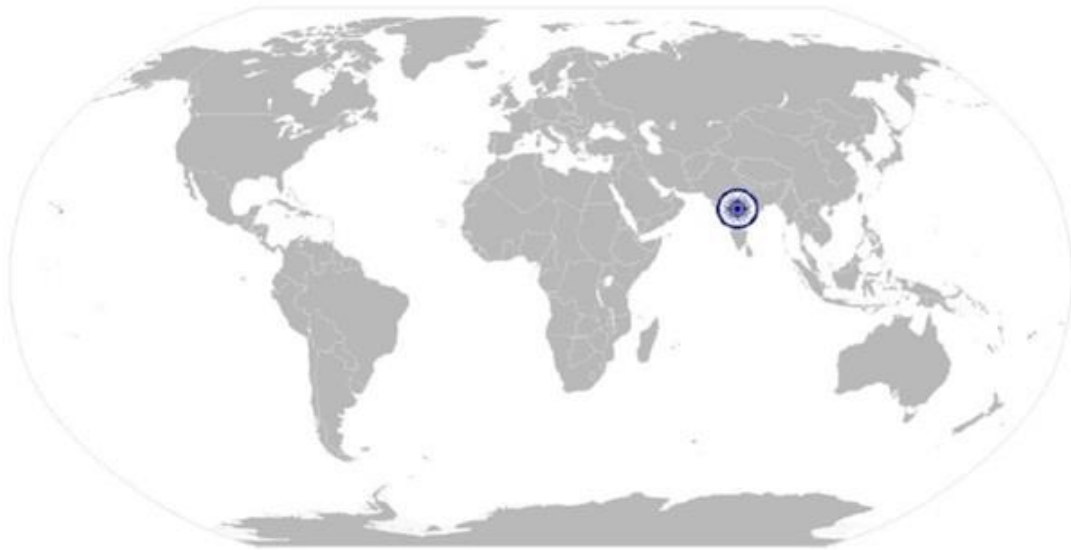
NOS Version Control

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	Weaver	Next review date	13/09/16

[Back To Top](#)



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

Unit Code	TSC/ N 9006
Unit Title (Task)	Working in a team in handloom sector
Description	This unit provides performance criteria, knowledge, understanding, skills and abilities required to working as part of team
Scope	This unit/task covers the following: <ul style="list-style-type: none"> • Commitment and trust • Communication • Adaptability • Creative freedom
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Commitment and trust	To be competent, the user/individual on the job must be able to: PC1. Be accountable to one's own role in the whole process PC2. Perform all roles with full responsibility PC3. Be effective and efficient at workplace
Communication	PC4. Properly communicate about workplace policies PC5. Talk politely with other team members and colleagues PC6. Submit daily report of own performance
Adaptability	PC7. Adjust in different work situations PC8. Give due importance to others' point of view PC9. Avoid conflicting situations
Creative freedom	PC10. Improve upon the existing techniques to increase process efficiency
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. Standard Operating Procedures(SOP) and regulations in the Cooperative Society/NGO/SHG KA2. Procedure followed to get the final output in the Cooperative Society/NGO/SHG KA3. Safe working practices to be adopted in the Cooperative Society/NGO/SHG KA4. Consulting the supervisor and taking relevant actions against any grievances faced
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. Importance of commitment and trust KB2. Importance of proper communication KB3. Importance of adaptability KB4. Importance of creative freedom
Skills (S)	
A. Core Skills / Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. Write in local language
	Reading Skills
	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
	Oral Communication (Listening and Speaking Skills)
	The user/ individual on the job needs to know and understand how to: SA3. Listen effectively and orally communicate information accurately SA4. Ask for clarification and advice from others
B. Professional Skills	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. Follow rule-based decision-making processes SB2. Make decisions on a suitable course of action or response
	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB3. Plan and organize your work to achieve targets and deadlines
	Customer Centricity
	The user/ individual on the job needs to know and understand how to: SB4. Avoid absenteeism SB5. Be punctual SB6. Work in Discipline SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
	Problem Solving
	The user/ individual on the job needs to know and understand how to: SB8. Apply problem-solving approaches in different situations SB9. Seek clarification on problems from others
	Analytical Thinking
	The user/ individual on the job needs to know and understand how to: SB10. Analyze data and activities SB11. Pass on relevant information to others
	Critical Thinking
	The user/ individual on the job needs to know and understand how to: SB12. Provide opinions on work in a detailed and constructive way SB13. Apply balanced judgment to different situations

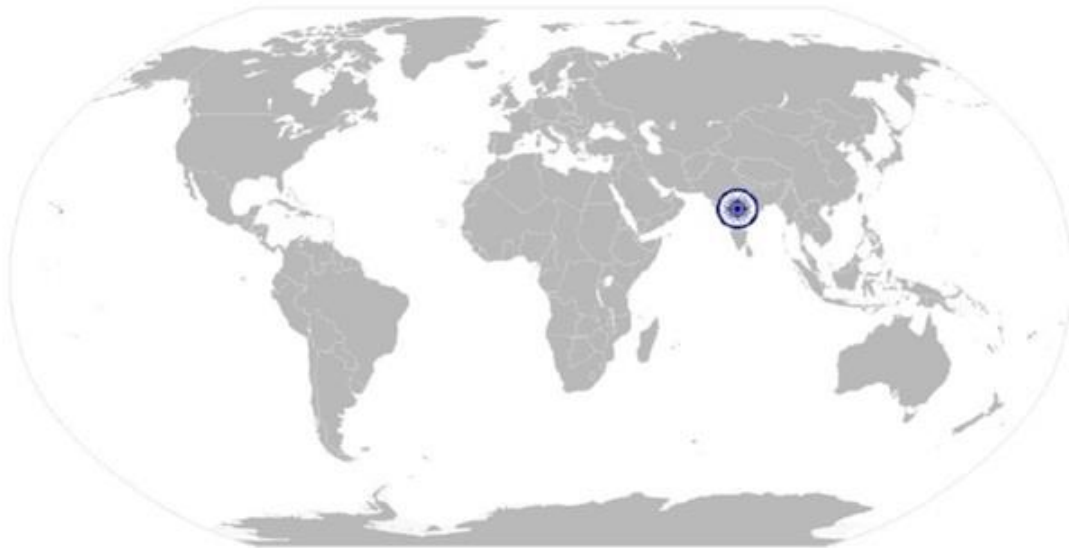
NOS Version Control

NOS Code	TSC/ N 9006		
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Sector	Textile Sector	Drafted on	19/08/15
Industry Sub-sector	Handloom	Last reviewed on	14/09/15
Occupation	Weaver	Next review date	13/09/16

[Back To Top](#)

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

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

Unit Code	TSC/ N 9007
Unit Title (Task)	Maintain health, safety and security at work place in handloom sector
Description	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
Scope	This unit/task covers the following: <ul style="list-style-type: none"> Comply with health, safety and security requirements at work Recognizing and addressing the hazards
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Comply with health, safety and security requirements at work	<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>
Recognizing and addressing the hazards	<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>
Knowledge and Understanding (K)	

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

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

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

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

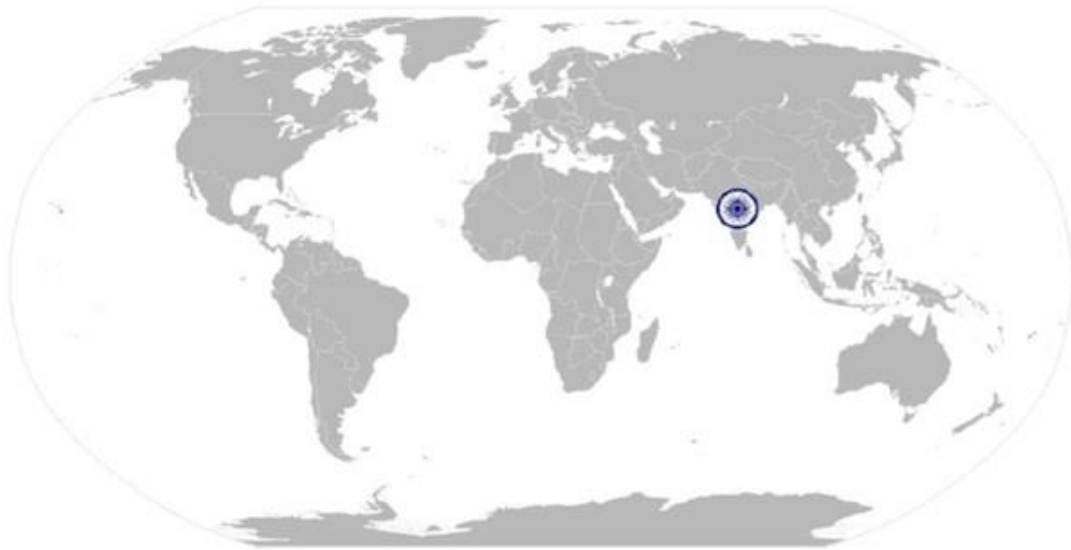
NOS Version Control

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	Weaver	Next review date	13/09/16

[Back To Top](#)

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

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

Unit Code	TSC/ N 9008
Unit Title (Task)	Comply with work place requirements in handloom sector
Description	This unit provides performance criteria, knowledge and understanding and skills and abilities required to comply with the requirements of the workplace
Scope	This unit/task covers the following: <ul style="list-style-type: none"> Self-development Team work Organizational standards
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Self- development	To be competent, the user/individual on the job must be able to : PC1. Perform own duties effectively PC2. Take responsibility for own actions PC3. Be accountable towards the job role and assigned duties PC4. Take initiative and innovate the existing methods PC5. Focus on self-learning and improvement
Team Work	PC6. Co-ordinate with all team members and colleagues PC7. Communicate politely PC8. Avoid conflicts and miscommunication
Organizational standards	PC9. Know the organizational standards PC10. Implement them in your performance PC11. Motivate others to follow them
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	The user/individual on the job needs to know and understand: KA1. Standard Operating Procedures (SOP) and regulations in the Cooperative Society/NGO/SHG KA2. Knowledge of workplace standards
B. Technical Knowledge	The user/individual on the job needs to know and understand: KB1. Importance of self-development KB2. Importance of team work KB3. Importance of understanding and complying with organizational standards
Skills (S)	
A. Core Skills / Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. Write in local language
	Reading Skills
	The user/ individual on the job needs to know and understand how to: SA2. Read and comprehend written instructions
	Oral Communication (Listening and Speaking Skills)
	The user/ individual on the job needs to know and understand how to: 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. Professional Skills	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. Follow rule-based decision-making processes SB2. Make decisions on a suitable course of action or response
	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB3. Plan and organize your work to achieve targets and deadlines
	Customer Centricity
	The user/ individual on the job needs to know and understand how to: SB4. Avoid absenteeism SB5. Be punctual SB6. Work in Discipline SB7. Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
	Problem Solving
	The user/ individual on the job needs to know and understand how to: SB8. Apply problem-solving approaches in different situations SB9. Seek clarification on problems from others
	Analytical Thinking
	The user/ individual on the job needs to know and understand how to: SB10. Analyze data and activities SB11. Pass on relevant information to others
	Critical Thinking
	The user/ individual on the job needs to know and understand how to: SB12. Provide opinions on work in a detailed and constructive way 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	Weaver	Next review date	13/09/16

[Back To Top](#)

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role: Two Shaft Handloom Weaver

Qualification Pack: TSC/Q 7303

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 this 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 Marks	Out of	Theory	Skills Practical /Viva
TSC/N 7305 (Carry out pre weaving activities)	PC1. Gait the warp sheet properly and keep the warp sheet in proper tension.	200	24	6	18
	PC2. Check the shedding, picking and beating mechanisms		10	4	6
	PC3. Check the let-off and take-up mechanisms		10	4	6
	PC4. Check the condition of the warp beam, for cross ends, ends pulling out particularly at the selvage		10	4	6
	PC5. Check the cleanliness of the machines and other work areas		10	4	6
	PC6. Check whether any spare/raw material/ tool / fabric/ any other material are thrown under the machines or in the other work areas.		10	4	6
	PC7. Ensure that the attached warp is drafted and dented as per the instructions and design specifications provided		15	6	9
	PC8. Keep the number of shuttles required ready and its loading with proper color of pirns		15	5	10
	PC9. Check the availability of the filled pirns and the condition of the same		10	4	6
	PC10. Check the tip of shuttle.		10	4	6
	PC11. Attach the free end of warp with cloth beam properly		20	6	14
	PC12. Read the given design		15	6	9
	PC13. Analyze and interpret the given design (plain or its variations) which needs to be woven		26	8	18

	PC14.Place the filled pirns in the shuttle properly		15	5	10
	Total	200	200	70	130
TSC/N 7306 (Operate the loom)	PC1.Carry-out the primary weaving operations:	200	28	6	22
	o Shedding				
	o Picking				
	o Beating				
	PC2.Carry-out the secondary weaving operations:		27	10	17
	o Take-up				
	o Let-off				
	PC3.Carry –out the auxiliary weaving operations:		28	8	20
	• Temple motion				
	• Shuttle changing				
	PC4.Refer and follow the specifications in case of any doubt.		15	6	9
	PC5.Use the correct tools and materials		18	7	11
	PC6.Ensure that proper tension on warp is maintained		20	8	12
	PC7. Check that the materials to be used are free from faults, in case of any, repair faults		18	5	13
PC8.Conform to the specified quality standards of weaving	16	8	8		
PC9.Identify any damaged work and rectify it	20	4	16		
PC10.Leave the work area safe and secure when work is complete free from hazards	10	4	6		
	Total	200	200	66	134
TSC/N 7307 (Contribute to achieve quality in handloom weaving)	PC1.Identify and use raw materials as per the specifications provided	50	8	2	6
	PC2.Identify faulty materials and component parts and get it rectified		8	2	6
	PC3.Identify mendable defects and rework on them		8	2	6
	PC4.Make adjustments promptly to ensure the hand-woven fabric matches the specification		4	1	3
	PC5.Carry out work safely and at a rate which maintains required work flow		4	1	3
	PC6.Carry out quality checks at specified intervals according to specifications		4	1	3
	PC7.Apply the allowed tolerances		8	3	5
	PC8.Identify materials and components which can cause crease, stain, damage		6	2	4
	Total	50	50	14	36
TSC/N 9005 (Maintain work area and tools in	PC1.Handle materials and tools safely and correctly	50	5	2	3
	PC2.Use correct lifting and handling procedures		3	1	2

handloom sector)	PC3.Use materials in a manner to minimize waste		3	1	2
	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		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 with 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
	Total	50	50	19	31
	TSC/N 9006 (Working in a team in handloom sector)	PC1.Be accountable to the own role in whole process	50	6	2
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
Total	50	50	19	31	
TSC/N 9007 (Maintain health, safety and security at workplace in handloom sector)	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.Plan the safety techniques		5	2	3
	PC18.Recognise different measures to curb the hazards		4	1	3
	PC19.Implement 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
	Total	100	100	33	67
TSC/N 9008 (Comply with work place requirements in handloom sector)	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
	Total	50	50	20	30
	Grand Total	700	700	241	459