



# Cocoon tester cum purchaser

Electives: Textile MSME/ Textile Mill

QP Code: TSC/Q7101

Version: 2.0

NSQF Level: 3

Textile Sector Skill Council || 14-H, 14th Floor, Hansalaya Building, 15, Barakhamba Road  
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## Qualification Pack

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## Qualification Pack

### TSC/Q7101: Cocoon tester cum purchaser

#### Brief Job Description

A Cocoon tester cum purchaser is responsible to prepare samples, defloss the cocoon by hand or motorized deflosser, test cocoons, negotiate and purchase the green cocoons and from farmers by ensuring safety, security at the work place.

#### Personal Attributes

A Cocoon tester cum purchaser should have physicals attributes like dexterity, coordination, motor skills, strength, stamina and handle heavy equipment. A Cocoon tester cum purchaser should also have sensory attributes like hearing ability and vision (normal distance vision, color vision, night vision, peripheral vision, depth perception and ability to change focus).

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [TSC/N7101: Prepare cocoon samples for testing](#)
2. [TSC/N7102: Undertake testing of cocoon parameters](#)
3. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

##### Electives(*mandatory to select at least one*):

###### Elective 1: Textile MSME

The personnel working in the textile micro, small and medium enterprise should be able to practice the soft skills required for the efficient production.

1. [TSC/N9017: Practice soft skills in textile MSME](#)

###### Elective 2: Textile Mill

The personnel working in the textile mills should be able to practice the soft skills required for the efficient production.

1. [TSC/N9015: Follow machine, safety, and organizational guidelines in textile sector](#)
2. [TSC/N9016: Follow teamwork, adaptability, and communication guidelines in textile sector](#)

## Qualification Pack

### Qualification Pack (QP) Parameters

<b>Sector</b>	Textile
<b>Sub-Sector</b>	Handloom & Khadi
<b>Occupation</b>	Preparatory
<b>Country</b>	India
<b>NSQF Level</b>	3
<b>Credits</b>	12
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/7318.9900
<b>Minimum Educational Qualification &amp; Experience</b>	9th Class (with No Experience (OR) Grade 8 pass and pursuing continuous schooling in regular school with vocational subject with no experience (OR) 8th grade pass with 1 year of relevant experience (OR) 5th grade pass with 4 years of relevant experience (OR) Ability to read and write with 5 years of experience (OR) Previous relevant qualification of NSQF Level 2 with 1 year of relevant experience)
<b>Minimum Level of Education for Training in School</b>	9th Class
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	18 Years
<b>Last Reviewed On</b>	NA
<b>Next Review Date</b>	25/11/2024
<b>NSQC Approval Date</b>	17/11/2022
<b>Version</b>	2.0
<b>Reference code on NQR</b>	2022/TEXT/TSC/07073
<b>NQR Version</b>	1.0

## Qualification Pack

### TSC/N7101: Prepare cocoon samples for testing

#### Description

This NOS unit provides details about method of survey in the cocoon market, identification and selection of cocoons for deflossing.

#### Scope

The scope covers the following :

- survey and identify cocoon varieties
- defloss cocoons

#### Elements and Performance Criteria

##### *Survey and Identify cocoon varieties*

To be competent, the user/individual on the job must be able to:

- PC1.** survey the entire cocoon market to check the availability of cocoons
- PC2.** identify the available varieties as per standard process
- PC3.** note the available variety of cocoons as per prescribed report format
- PC4.** select cocoon lots for sampling from cocoon batches brought by farmers
- PC5.** collect prescribed quantity of cocoons for deflossing from each selected lot

##### *Defloss cocoons*

To be competent, the user/individual on the job must be able to:

- PC6.** prepare cocoons for deflossing as per standard procedure
- PC7.** defloss the cocoons by hand/ motorized deflosser device as per standard procedure
- PC8.** store the deflossed cocoons in the specified area for testing

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** process and material flow in the silk sector
- KU2.** cocoon varieties and quality requirements
- KU3.** standard procedures for cocoon identification, sampling, deflossing and testing
- KU4.** operational and maintenance tools associated with cocoon deflossing and testing
- KU5.** working principle and different parts of the deflossing machine
- KU6.** various testing parameters of cocoons and its effect on cocoon cost
- KU7.** current raw silk market price as per quality of cocoons
- KU8.** storage requirements of the green cocoons

#### Generic Skills (GS)

## Qualification Pack

User/individual on the job needs to know how to:

- GS1.** write short reports
- GS2.** perform basic arithmetic calculations
- GS3.** read and comprehend written instructions for testing, details on the cocoon lot etc.
- GS4.** communicate with farmers as per standard protocol

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Survey and Identify cocoon varieties</i>	<b>30</b>	<b>46</b>	-	-
<b>PC1.</b> survey the entire cocoon market to check the availability of cocoons	-	-	-	-
<b>PC2.</b> identify the available varieties as per standard process	-	-	-	-
<b>PC3.</b> note the available variety of cocoons as per prescribed report format	-	-	-	-
<b>PC4.</b> select cocoon lots for sampling from cocoon batches brought by farmers	-	-	-	-
<b>PC5.</b> collect prescribed quantity of cocoons for deflossing from each selected lot	-	-	-	-
<i>Defloss cocoons</i>	<b>30</b>	<b>92</b>	-	-
<b>PC6.</b> prepare cocoons for deflossing as per standard procedure	-	-	-	-
<b>PC7.</b> defloss the cocoons by hand/ motorized deflosser device as per standard procedure	-	-	-	-
<b>PC8.</b> store the deflossed cocoons in the specified area for testing	-	-	-	-
<b>NOS Total</b>	<b>60</b>	<b>138</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N7101
<b>NOS Name</b>	Prepare cocoon samples for testing
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Handloom & Khadi
<b>Occupation</b>	Preparatory
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	25/11/2024
<b>NSQC Clearance Date</b>	17/11/2022



## Qualification Pack

### TSC/N7102: Undertake testing of cocoon parameters

#### Description

This NOS unit provides details about test methods for defective cocoons, calculation of cocoon shell ratio, estimation of renditta and cocoon cost. This unit also covers the negotiation of cocoon price, purchase and transfer of procured cocoons.

#### Scope

The scope covers the following :

- test defective cocoons
- test cocoon shell ratio
- calculate renditta using standard formula
- negotiate price of, and purchase and transfer cocoons

#### Elements and Performance Criteria

##### *Test defective cocoons*

To be competent, the user/individual on the job must be able to:

- PC1.** segregate the defective cocoons from the deflossed sample (viz - flimsy, double, urinated, malformed, uzi infected, etc.)
- PC2.** segregate and weigh each variety of defective cocoons with cocoon count
- PC3.** calculate the defective cocoon percentage of the lot

##### *Test cocoon shell ratio*

To be competent, the user/individual on the job must be able to:

- PC4.** identify and pick required number of good cocoons from the deflossed sample
- PC5.** weigh the good cocoons and record their weight
- PC6.** cut cocoons obliquely as per standard process (without damaging pupa) and mark the shell weight
- PC7.** calculate the shell ratio percentage as per the standard formulae

##### *Calculate renditta using standard formula*

To be competent, the user/individual on the job must be able to:

- PC8.** calculate the estimation of renditta using the standard formulae
- PC9.** estimate the price of the cocoons by referring the raw silk price from the market
- PC10.** submit the report of the calculated data as per the standard procedure

##### *Negotiate price of, and purchase and transfer cocoons*

To be competent, the user/individual on the job must be able to:

- PC11.** negotiate price with farmers for required variety and quantity of cocoons
- PC12.** arrange transport facility for purchased cocoons to the warehouse/ reeling industry

#### Knowledge and Understanding (KU)

## Qualification Pack

The individual on the job needs to know and understand:

- KU1.** cocoon testing process
- KU2.** significance of cocoon testing preparational tools
- KU3.** types of cocoon defects
- KU4.** calculation of defective cocoon, shell ratio percentage and estimation of renditta
- KU5.** reporting formats of cocoon parameters
- KU6.** need for safe transportation of cocoons

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** write short reports
- GS2.** calculate defective cocoon, shell ratio percentage and estimation of renditta
- GS3.** read and comprehend written testing instructions
- GS4.** communicate with farmers in local language for price negotiation as per the obtained quality

## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Test defective cocoons</i>	<b>46</b>	<b>72</b>	-	-
<b>PC1.</b> segregate the defective cocoons from the deflossed sample (viz – flimsy, double, urinated, malformed, uzi infected, etc.)	-	-	-	-
<b>PC2.</b> segregate and weigh each variety of defective cocoons with cocoon count	-	-	-	-
<b>PC3.</b> calculate the defective cocoon percentage of the lot	-	-	-	-
<i>Test cocoon shell ratio</i>	<b>46</b>	<b>72</b>	-	-
<b>PC4.</b> identify and pick required number of good cocoons from the deflossed sample	-	-	-	-
<b>PC5.</b> weigh the good cocoons and record their weight	-	-	-	-
<b>PC6.</b> cut cocoons obliquely as per standard process (without damaging pupa) and mark the shell weight	-	-	-	-
<b>PC7.</b> calculate the shell ratio percentage as per the standard formulae	-	-	-	-
<i>Calculate renditta using standard formula</i>	<b>40</b>	<b>74</b>	-	-
<b>PC8.</b> calculate the estimation of renditta using the standard formulae	-	-	-	-
<b>PC9.</b> estimate the price of the cocoons by referring the raw silk price from the market	-	-	-	-
<b>PC10.</b> submit the report of the calculated data as per the standard procedure	-	-	-	-
<i>Negotiate price of, and purchase and transfer cocoons</i>	<b>8</b>	<b>104</b>	-	-
<b>PC11.</b> negotiate price with farmers for required variety and quantity of cocoons	-	-	-	-
<b>PC12.</b> arrange transport facility for purchased cocoons to the warehouse/ reeling industry	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>NOS Total</b>	<b>140</b>	<b>322</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N7102
<b>NOS Name</b>	Undertake testing of cocoon parameters
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Handloom & Khadi
<b>Occupation</b>	Preparatory
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	25/11/2024
<b>NSQF Clearance Date</b>	17/11/2022

## Qualification Pack

### DGT/VSQ/N0101: Employability Skills (30 Hours)

#### Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

#### Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

#### Elements and Performance Criteria

##### *Introduction to Employability Skills*

To be competent, the user/individual on the job must be able to:

**PC1.** understand the significance of employability skills in meeting the job requirements

##### *Constitutional values - Citizenship*

To be competent, the user/individual on the job must be able to:

**PC2.** identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices

##### *Becoming a Professional in the 21st Century*

To be competent, the user/individual on the job must be able to:

**PC3.** explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.

##### *Basic English Skills*

To be competent, the user/individual on the job must be able to:

**PC4.** speak with others using some basic English phrases or sentences

##### *Communication Skills*

To be competent, the user/individual on the job must be able to:

**PC5.** follow good manners while communicating with others

**PC6.** work with others in a team

## Qualification Pack

### *Diversity & Inclusion*

To be competent, the user/individual on the job must be able to:

**PC7.** communicate and behave appropriately with all genders and PwD

**PC8.** report any issues related to sexual harassment

### *Financial and Legal Literacy*

To be competent, the user/individual on the job must be able to:

**PC9.** use various financial products and services safely and securely

**PC10.** calculate income, expenses, savings etc.

**PC11.** approach the concerned authorities for any exploitation as per legal rights and laws

### *Essential Digital Skills*

To be competent, the user/individual on the job must be able to:

**PC12.** operate digital devices and use its features and applications securely and safely

**PC13.** use internet and social media platforms securely and safely

### *Entrepreneurship*

To be competent, the user/individual on the job must be able to:

**PC14.** identify and assess opportunities for potential business

**PC15.** identify sources for arranging money and associated financial and legal challenges

### *Customer Service*

To be competent, the user/individual on the job must be able to:

**PC16.** identify different types of customers

**PC17.** identify customer needs and address them appropriately

**PC18.** follow appropriate hygiene and grooming standards

### *Getting ready for apprenticeship & Jobs*

To be competent, the user/individual on the job must be able to:

**PC19.** create a basic biodata

**PC20.** search for suitable jobs and apply

**PC21.** identify and register apprenticeship opportunities as per requirement

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** need for employability skills

**KU2.** various constitutional and personal values

**KU3.** different environmentally sustainable practices and their importance

**KU4.** Twenty first (21st) century skills and their importance

**KU5.** how to use basic spoken English language

**KU6.** Do and dont of effective communication

**KU7.** inclusivity and its importance

**KU8.** different types of disabilities and appropriate communication and behaviour towards PwD

**KU9.** different types of financial products and services

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- KU10.** how to compute income and expenses
- KU11.** importance of maintaining safety and security in financial transactions
- KU12.** different legal rights and laws
- KU13.** how to operate digital devices and applications safely and securely
- KU14.** ways to identify business opportunities
- KU15.** types of customers and their needs
- KU16.** how to apply for a job and prepare for an interview
- KU17.** apprenticeship scheme and the process of registering on apprenticeship portal

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** communicate effectively using appropriate language
- GS2.** behave politely and appropriately with all
- GS3.** perform basic calculations
- GS4.** solve problems effectively
- GS5.** be careful and attentive at work
- GS6.** use time effectively
- GS7.** maintain hygiene and sanitisation to avoid infection



## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	<b>1</b>	<b>1</b>	-	-
<b>PC1.</b> understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values - Citizenship</i>	<b>1</b>	<b>1</b>	-	-
<b>PC2.</b> identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	<b>1</b>	<b>3</b>	-	-
<b>PC3.</b> explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
<i>Basic English Skills</i>	<b>2</b>	<b>3</b>	-	-
<b>PC4.</b> speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	<b>1</b>	<b>1</b>	-	-
<b>PC5.</b> follow good manners while communicating with others	-	-	-	-
<b>PC6.</b> work with others in a team	-	-	-	-
<i>Diversity &amp; Inclusion</i>	<b>1</b>	<b>1</b>	-	-
<b>PC7.</b> communicate and behave appropriately with all genders and PwD	-	-	-	-
<b>PC8.</b> report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	<b>3</b>	<b>4</b>	-	-
<b>PC9.</b> use various financial products and services safely and securely	-	-	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC10.</b> calculate income, expenses, savings etc.	-	-	-	-
<b>PC11.</b> approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
<i>Essential Digital Skills</i>	<b>4</b>	<b>6</b>	-	-
<b>PC12.</b> operate digital devices and use its features and applications securely and safely	-	-	-	-
<b>PC13.</b> use internet and social media platforms securely and safely	-	-	-	-
<i>Entrepreneurship</i>	<b>3</b>	<b>5</b>	-	-
<b>PC14.</b> identify and assess opportunities for potential business	-	-	-	-
<b>PC15.</b> identify sources for arranging money and associated financial and legal challenges	-	-	-	-
<i>Customer Service</i>	<b>2</b>	<b>2</b>	-	-
<b>PC16.</b> identify different types of customers	-	-	-	-
<b>PC17.</b> identify customer needs and address them appropriately	-	-	-	-
<b>PC18.</b> follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship &amp; Jobs</i>	<b>1</b>	<b>3</b>	-	-
<b>PC19.</b> create a basic biodata	-	-	-	-
<b>PC20.</b> search for suitable jobs and apply	-	-	-	-
<b>PC21.</b> identify and register apprenticeship opportunities as per requirement	-	-	-	-
<b>NOS Total</b>	<b>20</b>	<b>30</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	DGT/VSQ/N0101
<b>NOS Name</b>	Employability Skills (30 Hours)
<b>Sector</b>	Cross Sectoral
<b>Sub-Sector</b>	Professional Skills
<b>Occupation</b>	Employability
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	30/12/2024
<b>NSQC Clearance Date</b>	30/12/2021

## Qualification Pack

### TSC/N9017: Practice soft skills in textile MSME

#### Description

This unit provides performance criteria, knowledge and skills required to follow the soft skills in textile MSME .

#### Scope

The scope covers the following :

- Maintaining the work area, tools and machines in textile MSME
- Greening and energy conservation in textile MSME
- Health, safety and response to emergencies in textile MSME
- Teamwork and communication
- Adaptability

#### Elements and Performance Criteria

##### *Maintaining the work area, tools and machines in textile MSME*

To be competent, the user/individual on the job must be able to:

- PC1.** handle materials, machinery, equipment and tools as per standard procedure at workplace
- PC2.** use appropriate material handling equipment and tools as per standard procedure
- PC3.** keep the equipment, machine and work area clean using appropriate cleaning tools as per standard procedure
- PC4.** undertake minor routine maintenance of equipment and tools as per standard maintenance procedure
- PC5.** collect worn-out spare parts from the allotted tools, equipment and machineries
- PC6.** report the condition of worn-out parts as per standard procedure

##### *Greening and energy conservation in textile MSME*

To be competent, the user/individual on the job must be able to:

- PC7.** segregate wastes such as saleable and resaleable, as per standard protocol
- PC8.** switch off the machines and lights when not in use

##### *Health, safety and response to emergencies in textile MSME*

To be competent, the user/individual on the job must be able to:

- PC9.** identify abnormal sounds emanating from faulty or worn-out machine parts and take appropriate action
- PC10.** maintain social distance as per the instruction at workplace
- PC11.** follow the specified steps in case of electricity failure
- PC12.** recall emergency exits of workplace
- PC13.** provide basic first aid for injury to peers and report to superiors

##### *Teamwork, trust and communication*

To be competent, the user/individual on the job must be able to:

- PC14.** carry out tasks as per instructions received from superiors

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- PC15.** use suggested hand signs, vocal sound signals to convey the information in the production area
- PC16.** use correct and respectful terms while communicating as per industry policy
- PC17.** report to superior for problems identified in assigned duty
- PC18.** report the daily performance to superior in prescribed manner and formats

### *Adaptability*

To be competent, the user/individual on the job must be able to:

- PC19.** adapt to flexible work environment for the assigned task
- PC20.** adapt to work with various members of different ethnicity, gender and PwD without biases

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** quality guidelines, rules, in the textile MSME
- KU2.** different type of tools and equipment used in textile sub- sector and their specifications and operating procedures
- KU3.** the importance of displays and written instructions for the allocated machines
- KU4.** importance of teamwork and discipline
- KU5.** limits and responsibilities for the assigned duties in the textile MSME
- KU6.** dos and donts specific to the assigned work responsibilities
- KU7.** importance of reporting as per the standard protocol
- KU8.** hierarchy of communication and communication etiquettes in the textile MSME
- KU9.** protocol for communication with different ethnicity, gender and PwD
- KU10.** importance of hand, vocal sound signals in the textile MSME
- KU11.** schedule for cleaning and waste collection for the assigned job role
- KU12.** importance and standard procedure for disposal of soft, hard, saleable and resalable wastes and materials
- KU13.** available types of material handling equipment and handling methods used in the MSME textile sector

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** read and comprehend written instructions
- GS2.** listen effectivity for the instructions
- GS3.** solve basic arithmetic calculations related to assigned job role
- GS4.** recognize and differentiate colors of materials used in textile sector
- GS5.** exhibit motor skill required for the allotted task
- GS6.** use and comprehend prescribed voice and hand signals in the textile production area
- GS7.** fill forms and prepare reports such as production report, material requisition forms, leave application, etc. as per standard formats

## Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintaining the work area, tools and machines in textile MSME</i>	<b>3</b>	<b>3</b>	-	<b>2</b>
<b>PC1.</b> handle materials, machinery, equipment and tools as per standard procedure at workplace	-	-	-	-
<b>PC2.</b> use appropriate material handling equipment and tools as per standard procedure	-	-	-	-
<b>PC3.</b> keep the equipment, machine and work area clean using appropriate cleaning tools as per standard procedure	-	-	-	-
<b>PC4.</b> undertake minor routine maintenance of equipment and tools as per standard maintenance procedure	-	-	-	-
<b>PC5.</b> collect worn-out spare parts from the allotted tools, equipment and machineries	-	-	-	-
<b>PC6.</b> report the condition of worn-out parts as per standard procedure	-	-	-	-
<i>Greening and energy conservation in textile MSME</i>	<b>2</b>	<b>3</b>	-	<b>2</b>
<b>PC7.</b> segregate wastes such as saleable and resaleable, as per standard protocol	-	-	-	-
<b>PC8.</b> switch off the machines and lights when not in use	-	-	-	-
<i>Health, safety and response to emergencies in textile MSME</i>	<b>10</b>	<b>12</b>	-	<b>8</b>
<b>PC9.</b> identify abnormal sounds emanating from faulty or worn-out machine parts and take appropriate action	-	-	-	-
<b>PC10.</b> maintain social distance as per the instruction at workplace	-	-	-	-
<b>PC11.</b> follow the specified steps in case of electricity failure	-	-	-	-
<b>PC12.</b> recall emergency exits of workplace	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC13.</b> provide basic first aid for injury to peers and report to superiors	-	-	-	-
<i>Teamwork, trust and communication</i>	<b>3</b>	<b>4</b>	-	<b>2</b>
<b>PC14.</b> carry out tasks as per instructions received from superiors	-	-	-	-
<b>PC15.</b> use suggested hand signs, vocal sound signals to convey the information in the production area	-	-	-	-
<b>PC16.</b> use correct and respectful terms while communicating as per industry policy	-	-	-	-
<b>PC17.</b> report to superior for problems identified in assigned duty	-	-	-	-
<b>PC18.</b> report the daily performance to superior in prescribed manner and formats	-	-	-	-
<i>Adaptability</i>	<b>2</b>	<b>2</b>	-	<b>2</b>
<b>PC19.</b> adapt to flexible work environment for the assigned task	-	-	-	-
<b>PC20.</b> adapt to work with various members of different ethnicity, gender and PwD without biases	-	-	-	-
<b>NOS Total</b>	<b>20</b>	<b>24</b>	-	<b>16</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N9017
<b>NOS Name</b>	Practice soft skills in textile MSME
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Generic - Textiles Handloom
<b>Occupation</b>	Generic - Textiles & Handloom
<b>NSQF Level</b>	3
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	25/11/2021
<b>Next Review Date</b>	25/11/2024
<b>NSQC Clearance Date</b>	17/11/2022



## Qualification Pack

# TSC/N9015: Follow machine, safety, and organizational guidelines in textile sector

## Description

This unit provides performance criteria, knowledge and skills required to follow machine, safety and organizational guidelines in textile sector.

## Scope

The scope covers the following :

- Maintaining the work area, tools and machines
- Greening and energy conservation in textile sector
- Health, safety and response to emergencies at textile sector
- Organizational standards and policies

## Elements and Performance Criteria

### *Maintaining the work area, tools and machines*

To be competent, the user/individual on the job must be able to:

- PC1.** handle materials, machinery, equipment and tools as per standard procedure
- PC2.** use appropriate material handling equipment and tools as per standard procedure
- PC3.** keep the equipment, machine and work area clean using appropriate cleaning tools as per standard procedure
- PC4.** undertake minor routine maintenance of equipment and tools as per standard maintenance procedure
- PC5.** maintain record for defective and unsafe equipment and tools
- PC6.** verify that machine guards are in place as per standard specifications
- PC7.** follow specified ergonomics for the assigned job role in textile sector
- PC8.** collect and store worn-out spare parts at specified location
- PC9.** report the condition of worn out parts as per standard procedure

### *Greening and energy conservation in textile sector*

To be competent, the user/individual on the job must be able to:

- PC10.** segregate wastes such as recyclable, non-recyclable, hazardous as per standard protocol
- PC11.** optimize usage of material and resources including water, electricity in various tasks
- PC12.** switch off the machines and lights when not in use

### *Health, safety and response to emergencies at textile sector*

To be competent, the user/individual on the job must be able to:

- PC13.** use Personal Protective Equipment (PPEs) like body protector, ear plugs, nose mask, head cap, etc. as per guidelines
- PC14.** identify abnormal sounds emanating from faulty or worn out machine parts and take appropriate action
- PC15.** avoid dependency on any type of intoxicants

## Qualification Pack

- PC16.** maintain social distance as per the instruction at workplace
- PC17.** report hazardous material to superiors at workplace
- PC18.** use the various appropriate fire extinguishers on different types of fires correctly
- PC19.** follow the specified steps in case of electricity failure
- PC20.** lift heavy objects using correct lifting procedures
- PC21.** recall emergency exits, safe spots, etc. of workplace
- PC22.** practice mock drills and evacuation procedures organized by industry
- PC23.** assist others to reach to safe spots in emergency situations
- PC24.** provide basic first aid for injury to peers and report to superiors
- PC25.** interpret different signs, alarms and take action appropriately
- PC26.** follow the guidelines while working in hazards atmosphere
- PC27.** assist in designing the safety plans with peers and superiors
- PC28.** follow the approved safety plans at workplace

### *Organizational standards and policies*

To be competent, the user/individual on the job must be able to:

- PC29.** perform assigned duties as per organization's protocol within scheduled time period
- PC30.** follow organization policies, quality standards, rules and regulations for working in textile sector
- PC31.** motivate colleagues to follow operational guidelines of organization
- PC32.** wear specified uniform and follow etiquette as per standard guidelines for the textile sector
- PC33.** maintain hygienic working atmosphere as per protocol of the textile sector
- PC34.** submit lost and found articles as per standard protocol

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** organizational standard procedures, quality standards, rules, codes, policies and safety standards in the textile sector
- KU2.** different type of tools and equipment used in textile sub- sector and their specifications and operating procedures
- KU3.** safe handling procedure of tools and equipment
- KU4.** the importance of displays and written instructions for the allocated machines
- KU5.** dos and dongs specific to the assigned work responsibilities
- KU6.** protocol for minimizing the wastage of material, effort and time
- KU7.** organization's formats and procedures for reporting production, defects, faults, material/tool requisition and quality parameters and task completed for assigned job
- KU8.** schedule for cleaning and waste collection for the assigned job role
- KU9.** importance and standard procedure for disposal of soft, hard, non-hazardous and hazardous wastes and materials
- KU10.** available types of material handling equipment and handling methods used in the textile sector

## Qualification Pack

- KU11.** hazards of unsafe workplace conditions and procedures in the textile industry and methods to avoid hazards
- KU12.** various types of fire extinguishers
- KU13.** importance of stable mental condition in case of emergency
- KU14.** correct work posture and importance of ergonomics for the assigned job role
- KU15.** organizational quality systems like quality circle, 5S, ISO, SA, etc. followed in the textile sector
- KU16.** importance of following work wear standards, behavioral protocols and etiquette in the textile sector
- KU17.** importance of energy conservation through proper maintenance schedule in the textile sector
- KU18.** procedures and formats for reporting lost and found material
- KU19.** different types of alarms and their significance

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** read and comprehend policies in notice boards displayed in the workplace
- GS2.** minimize the resource consumption for the assigned task
- GS3.** solve basic arithmetic calculations related to assigned job role
- GS4.** recognize and differentiate colors of materials used in textile sector
- GS5.** lift specified materials for the allotted task using prescribed ergonomic position
- GS6.** exhibit motor skill required for the allotted task

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintaining the work area, tools and machines</i>	<b>10</b>	<b>10</b>	-	<b>6</b>
<b>PC1.</b> handle materials, machinery, equipment and tools as per standard procedure	-	-	-	-
<b>PC2.</b> use appropriate material handling equipment and tools as per standard procedure	-	-	-	-
<b>PC3.</b> keep the equipment, machine and work area clean using appropriate cleaning tools as per standard procedure	-	-	-	-
<b>PC4.</b> undertake minor routine maintenance of equipment and tools as per standard maintenance procedure	-	-	-	-
<b>PC5.</b> maintain record for defective and unsafe equipment and tools	-	-	-	-
<b>PC6.</b> verify that machine guards are in place as per standard specifications	-	-	-	-
<b>PC7.</b> follow specified ergonomics for the assigned job role in textile sector	-	-	-	-
<b>PC8.</b> collect and store worn-out spare parts at specified location	-	-	-	-
<b>PC9.</b> report the condition of worn out parts as per standard procedure	-	-	-	-
<i>Greening and energy conservation in textile sector</i>	<b>7</b>	<b>10</b>	-	<b>6</b>
<b>PC10.</b> segregate wastes such as recyclable, non-recyclable, hazardous as per standard protocol	-	-	-	-
<b>PC11.</b> optimize usage of material and resources including water, electricity in various tasks	-	-	-	-
<b>PC12.</b> switch off the machines and lights when not in use	-	-	-	-
<i>Health, safety and response to emergencies at textile sector</i>	<b>32</b>	<b>40</b>	-	<b>28</b>

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC13.</b> use Personal Protective Equipment (PPEs) like body protector, ear plugs, nose mask, head cap, etc. as per guidelines	-	-	-	-
<b>PC14.</b> identify abnormal sounds emanating from faulty or worn out machine parts and take appropriate action	-	-	-	-
<b>PC15.</b> avoid dependency on any type of intoxicants	-	-	-	-
<b>PC16.</b> maintain social distance as per the instruction at workplace	-	-	-	-
<b>PC17.</b> report hazardous material to superiors at workplace	-	-	-	-
<b>PC18.</b> use the various appropriate fire extinguishers on different types of fires correctly	-	-	-	-
<b>PC19.</b> follow the specified steps in case of electricity failure	-	-	-	-
<b>PC20.</b> lift heavy objects using correct lifting procedures	-	-	-	-
<b>PC21.</b> recall emergency exits, safe spots, etc. of workplace	-	-	-	-
<b>PC22.</b> practice mock drills and evacuation procedures organized by industry	-	-	-	-
<b>PC23.</b> assist others to reach to safe spots in emergency situations	-	-	-	-
<b>PC24.</b> provide basic first aid for injury to peers and report to superiors	-	-	-	-
<b>PC25.</b> interpret different signs, alarms and take action appropriately	-	-	-	-
<b>PC26.</b> follow the guidelines while working in hazards atmosphere	-	-	-	-
<b>PC27.</b> assist in designing the safety plans with peers and superiors	-	-	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC28.</b> follow the approved safety plans at workplace	-	-	-	-
<i>Organizational standards and policies</i>	<b>16</b>	<b>20</b>	-	<b>10</b>
<b>PC29.</b> perform assigned duties as per organization's protocol within scheduled time period	-	-	-	-
<b>PC30.</b> follow organization policies, quality standards, rules and regulations for working in textile sector	-	-	-	-
<b>PC31.</b> motivate colleagues to follow operational guidelines of organization	-	-	-	-
<b>PC32.</b> wear specified uniform and follow etiquette as per standard guidelines for the textile sector	-	-	-	-
<b>PC33.</b> maintain hygienic working atmosphere as per protocol of the textile sector	-	-	-	-
<b>PC34.</b> submit lost and found articles as per standard protocol	-	-	-	-
<b>NOS Total</b>	<b>65</b>	<b>80</b>	-	<b>50</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N9015
<b>NOS Name</b>	Follow machine, safety, and organizational guidelines in textile sector
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Generic - Textiles Handloom
<b>Occupation</b>	Generic - Textiles & Handloom
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	27/01/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

# TSC/N9016: Follow teamwork, adaptability, and communication guidelines in textile sector

## Description

This unit provides performance criteria, knowledge and skills required to follow team work, communication and adaptability in textile sector

## Scope

The scope covers the following :

- Teamwork and communication
- Adaptability

## Elements and Performance Criteria

### *Teamwork, trust and communication*

To be competent, the user/individual on the job must be able to:

- PC1.** contribute to create a positive work environment in the team
- PC2.** carry out tasks as per instructions received from superiors
- PC3.** contribute to team work as per allocated responsibility to complete the task by using appropriate tools and methods
- PC4.** build trust with team mates and superiors
- PC5.** implement the ideas after superior's approval at work place
- PC6.** communicate clearly with the team members as per standard protocol
- PC7.** use suggested hand signs, vocal sound signals to convey the information in the production area
- PC8.** listen effectively to the ideas and concerns of the peers
- PC9.** use correct and respectful terms while communicating as per industry policy
- PC10.** express views proactively and effectively
- PC11.** make efforts to resolve difference of opinion with superiors and team members
- PC12.** report to superior for problems identified in assigned duty
- PC13.** report the daily performance to superior in prescribed manner and formats

### *Adaptability*

To be competent, the user/individual on the job must be able to:

- PC14.** adapt to flexible work environment for the assigned task
- PC15.** adapt to work with various members of different ethnicity, gender and PwD without biases
- PC16.** consider opinions of colleagues, fitters, superiors for the assigned task
- PC17.** plan the work-routine within the limits of the responsibility
- PC18.** adopt new ideas after due approval from superior for improving the productivity

## Knowledge and Understanding (KU)



## Qualification Pack

The individual on the job needs to know and understand:

- KU1.** importance of teamwork and discipline
- KU2.** limits and responsibilities for the assigned duties in the textile sector
- KU3.** possible conflicts in the assigned job role and methods to resolve the same
- KU4.** importance of teamwork, group discussions and healthy work environment
- KU5.** importance of reporting as per the standard protocol
- KU6.** hierarchy of communication and communication etiquettes in the textile sector
- KU7.** protocol for communication with different ethnicity, gender and PwD
- KU8.** report and grievance submission formats
- KU9.** importance of hand, vocal sound signals in the textile sector

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** read and comprehend written instructions
- GS2.** listen effectivity for the instructions
- GS3.** coordinate with team mates for the allotted tasks
- GS4.** use and comprehend prescribed voice and hand signals in the textile production area
- GS5.** fill forms and prepare reports such as production report, material requisition forms, leave application, etc. as per standard formats

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Teamwork, trust and communication</i>	<b>10</b>	<b>15</b>	-	<b>5</b>
<b>PC1.</b> contribute to create a positive work environment in the team	-	-	-	-
<b>PC2.</b> carry out tasks as per instructions received from superiors	-	-	-	-
<b>PC3.</b> contribute to team work as per allocated responsibility to complete the task by using appropriate tools and methods	-	-	-	-
<b>PC4.</b> build trust with team mates and superiors	-	-	-	-
<b>PC5.</b> implement the ideas after superior's approval at work place	-	-	-	-
<b>PC6.</b> communicate clearly with the team members as per standard protocol	-	-	-	-
<b>PC7.</b> use suggested hand signs, vocal sound signals to convey the information in the production area	-	-	-	-
<b>PC8.</b> listen effectively to the ideas and concerns of the peers	-	-	-	-
<b>PC9.</b> use correct and respectful terms while communicating as per industry policy	-	-	-	-
<b>PC10.</b> express views proactively and effectively	-	-	-	-
<b>PC11.</b> make efforts to resolve difference of opinion with superiors and team members	-	-	-	-
<b>PC12.</b> report to superior for problems identified in assigned duty	-	-	-	-
<b>PC13.</b> report the daily performance to superior in prescribed manner and formats	-	-	-	-
<i>Adaptability</i>	<b>5</b>	<b>5</b>	-	<b>5</b>
<b>PC14.</b> adapt to flexible work environment for the assigned task	-	-	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC15.</b> adapt to work with various members of different ethnicity, gender and PwD without biases	-	-	-	-
<b>PC16.</b> consider opinions of colleagues, fitters, superiors for the assigned task	-	-	-	-
<b>PC17.</b> plan the work-routine within the limits of the responsibility	-	-	-	-
<b>PC18.</b> adopt new ideas after due approval from superior for improving the productivity	-	-	-	-
<b>NOS Total</b>	<b>15</b>	<b>20</b>	<b>-</b>	<b>10</b>

## National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	TSC/N9016
<b>NOS Name</b>	Follow teamwork, adaptability, and communication guidelines in textile sector
<b>Sector</b>	Textile
<b>Sub-Sector</b>	Generic - Textiles Handloom
<b>Occupation</b>	Generic - Textiles & Handloom
<b>NSQF Level</b>	4
<b>Credits</b>	TBD
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	27/01/2022
<b>Next Review Date</b>	31/03/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Assessment Guidelines and Assessment Weightage

### Assessment Guidelines

Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) (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.

The assessment for the theory part will be based on knowledge bank of questions created by the SSC.

Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).

Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.

In case of successfully passing only certain number of NOSs, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

**Minimum Aggregate Passing % at QP Level : 50**

## Qualification Pack

(Please note: Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

### Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N7101.Prepare cocoon samples for testing	60	138	-	-	198	25
TSC/N7102.Undertake testing of cocoon parameters	140	322	-	-	462	60
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	0	0	50	7
<b>Total</b>	<b>220</b>	<b>490</b>	<b>0</b>	<b>0</b>	<b>710</b>	<b>92</b>

Elective: 1 Textile MSME

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N9017.Practice soft skills in textile MSME	20	24	-	16	60	8
<b>Total</b>	<b>20</b>	<b>24</b>	<b>-</b>	<b>16</b>	<b>60</b>	<b>8</b>

Elective: 2 Textile Mill

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N9015.Follow machine, safety, and organizational guidelines in textile sector	65	80	-	50	195	6

### Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N9016.Follow teamwork, adaptability, and communication guidelines in textile sector	15	20	-	10	45	2
<b>Total</b>	<b>80</b>	<b>100</b>	<b>-</b>	<b>60</b>	<b>240</b>	<b>8</b>

## Acronyms

<b>NOS</b>	National Occupational Standard(s)
<b>NSQF</b>	National Skills Qualifications Framework
<b>QP</b>	Qualifications Pack
<b>TVET</b>	Technical and Vocational Education and Training

## Qualification Pack

### Glossary

<b>Sector</b>	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
<b>Occupational Standards (OS)</b>	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
<b>National Occupational Standards (NOS)</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
<b>Scope</b>	Scope is a 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 quality of performance required.



## Qualification Pack

<b>Knowledge and Understanding (KU)</b>	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
<b>Organisational Context</b>	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
<b>Technical Knowledge</b>	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>Core Skills/ Generic Skills (GS)</b>	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
<b>Electives</b>	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
<b>Options</b>	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.