

Qualification Pack



Hank Dyer

QP Code: TSC/Q7201

Version: 1.0

NSQF Level: 4

Textile Sector Skill Council || Textile Sector Skill Council (TSC) 15th Floor, Nirmal Tower, 26,
Barakhamba Road, New Delhi - 110 001
Office: +91-11-43536355-7

Qualification Pack

Contents

TSC/Q7201: Hank Dyer	3
<i>Brief Job Description</i>	3
Applicable National Occupational Standards (NOS)	3
<i>Compulsory NOS</i>	3
<i>Qualification Pack (QP) Parameters</i>	3
TSC/N7201: Carry out pre dyeing activities: desizing, scouring, bleaching etc.	5
TSC/N9005: Maintain work area and tools in handloom sector	11
TSC/N9006: Working in a team in handloom sector	15
TSC/N9007: Maintain health, safety and security at work place in handloom sector	19
TSC/N9008: Comply with work place requirements in handloom sector	25
TSC/N7202: Carry out dyeing of hank yarn	29
TSC/N7203: Carry out finishing of dyed yarn	34
Assessment Guidelines and Weightage	38
<i>Assessment Guidelines</i>	38
<i>Assessment Weightage</i>	38
Acronyms	40
Glossary	41

TSC/Q7201: Hank Dyer

Brief Job Description

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

Personal Attributes

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

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [TSC/N7201: Carry out pre dyeing activities: desizing, scouring, bleaching etc.](#)
2. [TSC/N9005: Maintain work area and tools in handloom sector](#)
3. [TSC/N9006: Working in a team in handloom sector](#)
4. [TSC/N9007: Maintain health, safety and security at work place in handloom sector](#)
5. [TSC/N9008: Comply with work place requirements in handloom sector](#)
6. [TSC/N7202: Carry out dyeing of hank yarn](#)
7. [TSC/N7203: Carry out finishing of dyed yarn](#)

Qualification Pack (QP) Parameters

Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Handloom Preparatory
Country	India
NSQF Level	4
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7318.06

Qualification Pack

Minimum Educational Qualification & Experience	8th Class (Preferably) with 1-2 Years of experience Preferably
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	14/09/2015
Next Review Date	31/03/2021
Deactivation Date	31/03/2021
NSQC Approval Date	19/02/2016
Version	1.0

Qualification Pack

TSC/N7201: Carry out pre dyeing activities: desizing, scouring, bleaching etc.

Description

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

Scope

This unit/task covers the following:

- Preparing for pre dyeing activities
- Carrying out pre dyeing activities

Elements and Performance Criteria

Preparing for pre dyeing activities

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

1. Receive the material to be dyed and weigh it
2. Maintain a proper record of received yarn and date of delivery
3. Identify the type of yarns: cotton, wool, silk, blend etc.
4. Analyse the type of pre dyeing activities to be carried out

Carrying out pre dyeing activities

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

5. Check that the container for carrying out pre dyeing activities is clean
6. Ensure that the right quality of water and other chemicals is available
7. Weigh and arrange the required chemicals for preparing the bath
8. Prepare the bath for carrying out pre dyeing activities
9. Ensure that the right condition (temperature, pH level etc.) of the bath is prepared
10. Ensure proper immersion and timely rotation of yarn, if required
11. Carry out pre dyeing activities as per the specified time limit
12. Clean the container used for carrying out pre dyeing activities
13. Dispose of the waste materials in the approved manner
14. Leave the work area safe and secure when work is complete

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** The Cooperative Society/NGO/SHG/Cluster policies, procedures, guidelines and standards for quality
- KU2.** Safe working practices and Cooperative Society/NGO/SHG procedures

Qualification Pack

- KU3.** Quality systems and other processes practiced in the Cooperative Society/NGO/SHG
- KU4.** Details of the job role and responsibilities
- KU5.** Limits of personal responsibility
- KU6.** Types of problems with quality and how to report them to concerned person
- KU7.** The importance of complying with written instructions
- KU8.** Documenting procedure in case of faults in own/ others processes
- KU9.** Whom to refer problems to when they are outside the limit of your authority
- KU10.** The Cooperative Society/NGO/SHG tools, templates and processes for operations in production
- KU11.** Responsibilities under health, safety and environmental legislation
- KU12.** Guidelines for storage and disposal of waste materials
- KU13.** Potential hazards associated with the machines and the safety precautions that must be taken
- KU14.** Protocol to obtain more information on work related tasks
- KU15.** Documentation formats
- KU16.** Protocol in case of work related risks/ problems
- KU17.** Method of obtaining/giving feedback related to performance
- KU18.** Methods to present any ideas for improvement
- KU19.** Different types of yarns
- KU20.** Different types of counts
- KU21.** Reed width of fabric
- KU22.** Different types of warping machine: manual and power driven, horizontal or vertical drum warping machine
- KU23.** The calculation of minimum weight of cones/bobbins required
- KU24.** The function of creel
- KU25.** The importance of creeling and proper passage of yarn
- KU26.** The importance of cleaning
- KU27.** Weavers knot and its importance

Generic Skills (GS)

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

- GS1.** Write in local language
- GS2.** Read and comprehend written instructions
- GS3.** Listen effectively and orally communicate information accurately
- GS4.** Ask for clarification and advice from others
- GS5.** Follow rule-based decision-making processes
- GS6.** Make decisions on a suitable course of action or response
- GS7.** Plan and organize your work to achieve targets and deadlines
- GS8.** Avoid absenteeism

Qualification Pack

- GS9.** Be punctual
- GS10.** Work in Discipline
- GS11.** Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- GS12.** Apply problem-solving approaches in different situations
- GS13.** Seek clarification on problems from others
- GS14.** Analyze data and activities
- GS15.** Pass on relevant information to others
- GS16.** Provide opinions on work in a detailed and constructive way
- GS17.** Apply balanced judgment to different situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing for pre dyeing activities</i>	19	32	-	-
1. Receive the material to be dyed and weigh it	2	6	-	-
2. Maintain a proper record of received yarn and date of delivery	3	5	-	-
3. Identify the type of yarns: cotton, wool, silk, blend etc.	4	6	-	-
4. Analyse the type of pre dyeing activities to be carried out	10	15	-	-
<i>Carrying out pre dyeing activities</i>	35	64	-	-
5. Check that the container for carrying out pre dyeing activities is clean	3	5	-	-
6. Ensure that the right quality of water and other chemicals is available	3	5	-	-
7. Weigh and arrange the required chemicals for preparing the bath	2	6	-	-
8. Prepare the bath for carrying out pre dyeing activities	3	7	-	-
9. Ensure that the right condition (temperature, pH level etc.) of the bath is prepared	4	6	-	-
10. Ensure proper immersion and timely rotation of yarn, if required	4	6	-	-
11. Carry out pre dyeing activities as per the specified time limit	6	14	-	-
12. Clean the container used for carrying out pre dyeing activities	4	6	-	-
13. Dispose of the waste materials in the approved manner	4	6	-	-
14. Leave the work area safe and secure when work is complete	2	3	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
NOS Total	54	96	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N7201
NOS Name	Carry out pre dyeing activities: desizing, scouring, bleaching etc.
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Handloom Preparatory
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	14/09/2015
Next Review Date	13/09/2016
NSQC Clearance Date	19/02/2016

Qualification Pack

TSC/N9005: 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:

- Maintain the work area, tools and machines

Elements and Performance Criteria

Maintain the work area, tools and machines

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

1. Handle materials and tools safely and correctly
2. Use correct lifting and handling procedures
3. Use materials in a manner to minimize waste
4. Maintain a clean and hazard free working area
5. Maintain the tools and equipment used for warping
6. Carry out maintenance and/or cleaning within ones responsibility
7. Identify damaged tools and materials and take action according to the standards followed
8. Ensure that the correct tools and yarn required are in place
9. Work with the correct posture
10. Use cleaning equipment and methods appropriate for the work to be carried out
11. Dispose of waste safely in the designated location
12. Store cleaning equipment safely after use
13. Carry out cleaning according to schedule and limits of responsibility

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Personal hygiene
- KU2.** Safe working practices and Cooperative Society/NGO/SHG/cluster procedures
- KU3.** Limits of your own responsibility
- KU4.** Ways of resolving problems within the work area
- KU5.** The production process and the specific work activities that relate to the whole process
- KU6.** The importance of effective communication with colleagues
- KU7.** The lines of communication, authority and reporting procedures

Qualification Pack

- KU8.** The Cooperative Society/NGO/SHG/cluster rules, codes and guidelines (including time keeping)
- KU9.** The company's quality standards
- KU10.** The importance of complying with written instructions
- KU11.** Work instructions and specifications and interpret them accurately
- KU12.** Method to make use of the information detailed in specifications and instructions
- KU13.** Relation between work role and the overall manufacturing process
- KU14.** The importance of taking action when problems are identified
- KU15.** Different ways of minimising waste
- KU16.** Effects of contamination on products
- KU17.** Common faults and the methods to rectify them
- KU18.** Tools maintenance procedures
- KU19.** Hazards likely to be encountered when conducting routine maintenance
- KU20.** Different types of cleaning substances and their use
- KU21.** Safe working practices for cleaning and the methods of carrying them out

Generic Skills (GS)

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

- GS1.** Write in local language
- GS2.** Read and comprehend written instructions
- GS3.** Listen effectively and orally communicate information accurately
- GS4.** Ask for clarification and advice from others
- GS5.** Follow rule-based decision-making processes
- GS6.** Make decisions on a suitable course of action or response
- GS7.** Plan and organize your work to achieve targets and deadlines
- GS8.** Avoid absenteeism
- GS9.** Be punctual
- GS10.** Work in Discipline
- GS11.** Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- GS12.** Apply problem-solving approaches in different situations
- GS13.** Seek clarification on problems from others
- GS14.** Analyze data and activities
- GS15.** Pass on relevant information to others
- GS16.** Provide opinions on work in a detailed and constructive way
- GS17.** Apply balanced judgment to different situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintain the work area, tools and machines</i>	19	31	-	-
1. Handle materials and tools safely and correctly	2	3	-	-
2. Use correct lifting and handling procedures	1	2	-	-
3. Use materials in a manner to minimize waste	1	2	-	-
4. Maintain a clean and hazard free working area	1	2	-	-
5. Maintain the tools and equipment used for warping	2	3	-	-
6. Carry out maintenance and/or cleaning within ones responsibility	2	3	-	-
7. Identify damaged tools and materials and take action according to the standards followed	2	3	-	-
8. Ensure that the correct tools and yarn required are in place	1	2	-	-
9. Work with the correct posture	1	2	-	-
10. Use cleaning equipment and methods appropriate for the work to be carried out	1	2	-	-
11. Dispose of waste safely in the designated location	2	2	-	-
12. Store cleaning equipment safely after use	1	2	-	-
13. Carry out cleaning according to schedule and limits of responsibility	2	3	-	-
NOS Total	19	31	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9005
NOS Name	Maintain work area and tools in handloom sector
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Textile Hand loom sector
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	14/09/2015
Next Review Date	13/09/2016
NSQC Clearance Date	19/02/2016

Qualification Pack

TSC/N9006: 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:

- Commitment and trust
- Communication
- Adaptability
- Creative freedom

Elements and Performance Criteria

Commitment and trust

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

1. Be accountable to one's own role in the whole process
2. Perform all roles with full responsibility
3. Be effective and efficient at workplace

Communication

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

4. Properly communicate about workplace policies
5. Talk politely with other team members and colleagues
6. Submit daily report of own performance

Adaptability

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

7. Adjust in different work situations
8. Give due importance to others' point of view
9. Avoid conflicting situations

Creative freedom

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

10. Improve upon the existing techniques to increase process efficiency

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Standard Operating Procedures (SOP) and regulations in the Cooperative Society/NGO/SHG
- KU2.** Procedure followed to get the final output in the Cooperative Society/NGO/SHG
- KU3.** Safe working practices to be adopted in the Cooperative Society/NGO/SHG

Qualification Pack

- KU4.** Consulting the supervisor and taking relevant actions against any grievances faced
- KU5.** Importance of commitment and trust
- KU6.** Importance of proper communication
- KU7.** Importance of adaptability
- KU8.** Importance of creative freedom

Generic Skills (GS)

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

- GS1.** Write in local language
- GS2.** Read and comprehend written instructions
- GS3.** Listen effectively and orally communicate information accurately
- GS4.** Ask for clarification and advice from others
- GS5.** Follow rule-based decision-making processes
- GS6.** Make decisions on a suitable course of action or response
- GS7.** Plan and organize your work to achieve targets and deadlines
- GS8.** Avoid absenteeism
- GS9.** Be punctual
- GS10.** Work in Discipline
- GS11.** Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- GS12.** Apply problem-solving approaches in different situations
- GS13.** Seek clarification on problems from others
- GS14.** Analyze data and activities
- GS15.** Pass on relevant information to others
- GS16.** Provide opinions on work in a detailed and constructive way
- GS17.** Apply balanced judgment to different situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Commitment and trust</i>	6	9	-	-
1. Be accountable to one's own role in the whole process	2	4	-	-
2. Perform all roles with full responsibility	2	3	-	-
3. Be effective and efficient at workplace	2	2	-	-
<i>Communication</i>	6	10	-	-
4. Properly communicate about workplace policies	2	3	-	-
5. Talk politely with other team members and colleagues	2	3	-	-
6. Submit daily report of own performance	2	4	-	-
<i>Adaptability</i>	6	9	-	-
7. Adjust in different work situations	2	3	-	-
8. Give due importance to others' point of view	2	3	-	-
9. Avoid conflicting situations	2	3	-	-
<i>Creative freedom</i>	2	2	-	-
10. Improve upon the existing techniques to increase process efficiency	2	2	-	-
NOS Total	20	30	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9006
NOS Name	Working in a team in handloom sector
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Textile Hand loom sector
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	14/09/2015
Next Review Date	13/09/2016
NSQC Clearance Date	19/02/2016

Qualification Pack

TSC/N9007: 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:

- Comply with health, safety and security requirements at work
- Recognizing and addressing the hazards

Elements and Performance Criteria

Comply with health, safety and security requirements at work

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

1. Comply with health and safety related instructions applicable to the workplace
2. Use and maintain personal protective equipment as per protocol
3. Carry out own activities in line with approved guidelines and procedures
4. Maintain a healthy lifestyle and guard against dependency on in toxicants
5. Follow environment management system related procedures
6. Store materials and tools in line with manufacturers and Cooperative Society/NGO/SHG requirements
7. Safely handle and move waste and debris
8. Minimize health and safety risks to self and others due to own actions
9. Monitor the work place and work processes for potential risks and threats
10. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned
11. Participate in mock drills/ evacuation procedures organized at the workplace
12. Undertake first aid, fire-fighting and emergency response training, if asked to do so
13. Take action based on instructions in the event of fire, emergencies or accidents
14. Follow Cooperative ociety/NGO/SHG procedures for evacuation when required

Recognizing and addressing the hazards

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

15. Identify different kinds of possible hazards (environmental, personal, ergonomic and chemical) of the industry
16. Recognize other possible security issues existing in the workplace
17. Plan the safety techniques
18. Recognize different measures to curb the hazards

Qualification Pack

19. Implement the programs
20. Communicate the safety plans to everyone
21. Attach disciplinary rules with the implementation

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Health and safety related practices applicable at the workplace
- KU2.** Potential hazards, risks and threats based on nature of operations
- KU3.** Cooperative Society/NGO/SHG procedures for safe handling of tools
- KU4.** Potential risks due to own actions and methods to minimize these
- KU5.** Environmental management system related procedures at the workplace
- KU6.** Layout of the plant and details of emergency exits, escape routes, emergency equipment and assembly points
- KU7.** Potential accidents and emergencies and response to these scenarios
- KU8.** Documentation formats
- KU9.** Details of personnel trained in first aid, fire-fighting and emergency response
- KU10.** Occupational health and safety risks and methods
- KU11.** Personal protective equipment and method of use
- KU12.** Identification, handling and storage of hazardous substances
- KU13.** Proper disposal system for waste and by-products
- KU14.** Signage related to health and safety and their meaning
- KU15.** Importance of sound health, hygiene and good habits
- KU16.** Ill- effects of alcohol, tobacco and drugs

Generic Skills (GS)

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

- GS1.** Write in local language
- GS2.** Read and comprehend written instructions
- GS3.** Listen effectively and orally communicate information accurately
- GS4.** Ask for clarification and advice from others
- GS5.** Follow rule-based decision-making processes
- GS6.** Make decisions on a suitable course of action or response
- GS7.** Plan and organize your work to achieve targets and deadlines
- GS8.** Avoid absenteeism
- GS9.** Be punctual
- GS10.** Work in Discipline
- GS11.** Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations



Qualification Pack

- GS12.** Apply problem-solving approaches in different situations
- GS13.** Seek clarification on problems from others
- GS14.** Analyze data and activities
- GS15.** Pass on relevant information to others
- GS16.** Provide opinions on work in a detailed and constructive way
- GS17.** Apply balanced judgment to different situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Comply with health, safety and security requirements at work</i>	24	46	-	-
1. Comply with health and safety related instructions applicable to the workplace	2	4	-	-
2. Use and maintain personal protective equipment as per protocol	2	4	-	-
3. Carry out own activities in line with approved guidelines and procedures	1	3	-	-
4. Maintain a healthy lifestyle and guard against dependency on in toxicants	1	3	-	-
5. Follow environment management system related procedures	1	3	-	-
6. Store materials and tools in line with manufacturers and Cooperative Society/NGO/SHG requirements	2	2	-	-
7. Safely handle and move waste and debris	2	2	-	-
8. Minimize health and safety risks to self and others due to own actions	2	4	-	-
9. Monitor the work place and work processes for potential risks and threats	2	4	-	-
10. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned	2	4	-	-
11. Participate in mock drills/ evacuation procedures organized at the workplace	2	2	-	-
12. Undertake first aid, fire-fighting and emergency response training, if asked to do so	2	4	-	-
13. Take action based on instructions in the event of fire, emergencies or accidents	2	4	-	-
14. Follow Cooperative ociety/NGO/SHG procedures for evacuation when required	1	3	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Recognizing and addressing the hazards</i>	9	21	-	-
15. Identify different kinds of possible hazards (environmental, personal, ergonomic and chemical) of the industry	1	3	-	-
16. Recognize other possible security issues existing in the workplace	1	3	-	-
17. Plan the safety techniques	2	3	-	-
18. Recognize different measures to curb the hazards	1	3	-	-
19. Implement the programs	2	3	-	-
20. Communicate the safety plans to everyone	1	3	-	-
21. Attach disciplinary rules with the implementation	1	3	-	-
NOS Total	33	67	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9007
NOS Name	Maintain health, safety and security at work place in handloom sector
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Textile Hand loom sector
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	14/09/2015
Next Review Date	31/03/2018
NSQC Clearance Date	19/02/2016

Qualification Pack

TSC/N9008: 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:

- Self-development
- Team work
- Organizational standards

Elements and Performance Criteria

Self development

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

1. Perform own duties effectively
2. Take responsibility for own actions
3. Be accountable towards the job role and assigned duties
4. Take initiative and innovate the existing methods
5. Focus on self-learning and improvement

Team Work

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

6. Co-ordinate with all team members and colleagues
7. Communicate politely
8. Avoid conflicts and miscommunication

Organizational standards

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

9. Know the organizational standards
10. Implement them in your performance
11. Motivate others to follow them

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** Standard Operating Procedures (SOP) and regulations in the Cooperative Society/NGO/SHG
- KU2.** Knowledge of workplace standards
- KU3.** Importance of self-development
- KU4.** Importance of team work

Qualification Pack

KU5. Importance of understanding and complying with organizational standards

Generic Skills (GS)

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

- GS1.** Write in local language
- GS2.** Read and comprehend written instructions
- GS3.** Listen effectively and orally communicate information accurately
- GS4.** Ask for clarification and advice from others
- GS5.** Follow rule-based decision-making processes
- GS6.** Make decisions on a suitable course of action or response
- GS7.** Plan and organize your work to achieve targets and deadlines
- GS8.** Avoid absenteeism
- GS9.** Be punctual
- GS10.** Work in Discipline
- GS11.** Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- GS12.** Apply problem-solving approaches in different situations
- GS13.** Seek clarification on problems from others
- GS14.** Analyze data and activities
- GS15.** Pass on relevant information to others
- GS16.** Provide opinions on work in a detailed and constructive way
- GS17.** Apply balanced judgment to different situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Self development</i>	9	14	-	-
1. Perform own duties effectively	2	3	-	-
2. Take responsibility for own actions	2	3	-	-
3. Be accountable towards the job role and assigned duties	2	3	-	-
4. Take initiative and innovate the existing methods	1	2	-	-
5. Focus on self-learning and improvement	2	3	-	-
<i>Team Work</i>	6	9	-	-
6. Co-ordinate with all team members and colleagues	2	3	-	-
7. Communicate politely	2	3	-	-
8. Avoid conflicts and miscommunication	2	3	-	-
<i>Organizational standards</i>	5	7	-	-
9. Know the organizational standards	2	3	-	-
10. Implement them in your performance	2	3	-	-
11. Motivate others to follow them	1	1	-	-
NOS Total	20	30	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9008
NOS Name	Comply with work place requirements in handloom sector
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Textile Hand loom sector
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	14/09/2015
Next Review Date	13/03/2018
NSQC Clearance Date	19/02/2016

Qualification Pack

TSC/N7202: Carry out dyeing of hank yarn

Description

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

Scope

This unit/task covers the following:

- Preparing for dyeing activities
- Dyeing the yarn

Elements and Performance Criteria

Preparing for dyeing activities

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

1. Identify the right type of dye for dyeing the selected yarn
2. Check that the container for carrying out dyeing is clean
3. Ensure that the right quality of water, dye and other chemicals is available
4. Weigh and arrange the required chemicals and dyes for preparing the bath
5. Prepare the bath for carrying out dyeing

Dyeing the yarn

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

6. Ensure that the right condition (temperature, pH level etc.) of the bath is prepared
7. Ensure proper immersion and timely rotation of yarn, if required
8. Carry out dyeing of selected yarn as per the specified time limit
9. Clean the container used for carrying out dyeing
10. Dispose of the waste materials in the approved manner
11. Leave the work area safe and secure when work is complete

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** The Cooperative Society/NGO/SHG/Cluster policies, procedures, guidelines and standards for quality
- KU2.** Safe working practices and Cooperative Society/NGO/SHG procedures
- KU3.** Quality systems and other processes practiced in the Cooperative Society/NGO/SHG/cluster
- KU4.** Details of the job role and responsibilities
- KU5.** Limits of personal responsibility
- KU6.** Types of problems with quality and how to report them to concerned person

Qualification Pack

- KU7.** The importance of complying with written instructions
- KU8.** Documenting procedure in case of faults in own/ others processes
- KU9.** Who to refer problems to when they are outside the limit of your authority
- KU10.** The Cooperative Society/NGO/SHG tools, templates and processes for operations in production
- KU11.** Responsibilities under health, safety and environmental legislation
- KU12.** Guidelines for storage and disposal of waste materials
- KU13.** Potential hazards associated with the machines and the safety precautions that must be taken
- KU14.** Protocol to obtain more information on work related tasks
- KU15.** Documentation formats
- KU16.** Protocol in case of work related risks/ problems
- KU17.** Method of obtaining/giving feedback related to performance
- KU18.** Methods to present any ideas for improvement
- KU19.** Different types of dyes and chemicals used for dyeing different fibers
- KU20.** Functions of dyes and chemicals in dyeing process
- KU21.** Types of dyes and its color fastness to light and perspiration
- KU22.** Different types of dyeing methods
- KU23.** Measures for even dyeing
- KU24.** Measures to reduce lot variations
- KU25.** The recipe for preparing the dye bath for different types of yarns
- KU26.** Process of preparation of bath for carrying out dyeing activities
- KU27.** The approved method for disposal of waste after dyeing activities

Generic Skills (GS)

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

- GS1.** Write in local language
- GS2.** Read and comprehend written instructions
- GS3.** Listen effectively and orally communicate information accurately
- GS4.** Ask for clarification and advice from others
- GS5.** Follow rule-based decision-making processes
- GS6.** Make decisions on a suitable course of action or response
- GS7.** Plan and organize your work to achieve targets and deadlines
- GS8.** Avoid absenteeism
- GS9.** Be punctual
- GS10.** Work in Discipline
- GS11.** Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- GS12.** Apply problem-solving approaches in different situations

Qualification Pack

- GS13.** Seek clarification on problems from others
- GS14.** Analyze data and activities
- GS15.** Pass on relevant information to others
- GS16.** Provide opinions on work in a detailed and constructive way
- GS17.** Apply balanced judgment to different situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing for dyeing activities</i>	37	67	-	-
1. Identify the right type of dye for dyeing the selected yarn	12	18	-	-
2. Check that the container for carrying out dyeing is clean	4	6	-	-
3. Ensure that the right quality of water, dye and other chemicals is available	5	7	-	-
4. Weigh and arrange the required chemicals and dyes for preparing the bath	8	18	-	-
5. Prepare the bath for carrying out dyeing	8	18	-	-
<i>Dyeing the yarn</i>	35	61	-	-
6. Ensure that the right condition (temperature, pH level etc.) of the bath is prepared	8	12	-	-
7. Ensure proper immersion and timely rotation of yarn, if required	8	12	-	-
8. Carry out dyeing of selected yarn as per the specified time limit	5	14	-	-
9. Clean the container used for carrying out dyeing	6	9	-	-
10. Dispose of the waste materials in the approved manner	5	9	-	-
11. Leave the work area safe and secure when work is complete	3	5	-	-
NOS Total	72	128	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N7202
NOS Name	Carry out dyeing of hank yarn
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Handloom Preparatory
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	14/09/2015
Next Review Date	13/09/2016
NSQC Clearance Date	19/02/2016

Qualification Pack

TSC/N7203: Carry out finishing of dyed yarn

Description

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

Scope

This unit/task covers the following:

- Preparing for finishing activities
- Carrying out finishing activities

Elements and Performance Criteria

Preparing for finishing activities

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

1. Analyze the type of finishing activities (washing, soaping, softening, fixing, sizing etc.) to be carried out according to yarn, dye type and specific end used
2. Weigh and arrange the required chemicals for preparing the bath
3. Check that the container for carrying out finishing activities is clean
4. Ensure that the right quality of water and other chemicals is available
5. Prepare the bath for carrying out finishing activities

Carrying out finishing activities

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

6. Carry out required finishing activities
7. Depending upon the type of dye used, follow the technique for drying (sunlight or shade etc.)
8. Dispose of the waste materials in the approved manner
9. Leave work area safe and secure when work is complete

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** The Cooperative Society/NGO/SHG/Cluster policies, procedures, guidelines and standards for quality
- KU2.** Safe working practices and Cooperative Society/NGO/SHG procedures
- KU3.** Quality systems and other processes practiced in the Cooperative Society/NGO/SHG
- KU4.** Details of the job role and responsibilities
- KU5.** Limits of personal responsibility
- KU6.** Types of problems with quality and how to report them to concerned person
- KU7.** The importance of complying with written instructions
- KU8.** Documenting procedure in case of faults in own/ others processes

Qualification Pack

- KU9.** Who to refer problems to when they are outside the limit of your authority
- KU10.** The Cooperative Society/NGO/SHG tools, templates and processes for operations in production
- KU11.** Responsibilities under health, safety and environmental legislation
- KU12.** Guidelines for storage and disposal of waste materials
- KU13.** Potential hazards associated with the machines and the safety precautions that must be taken
- KU14.** Protocol to obtain more information on work related tasks
- KU15.** Documentation formats
- KU16.** Protocol in case of work related risks/ problems
- KU17.** Method of obtaining/giving feedback related to performance
- KU18.** Methods to present any ideas for improvement
- KU19.** Different types of finishing treatment
- KU20.** Procedure for carrying out finishing treatment
- KU21.** The impact of different types of finishing activities on final product
- KU22.** Importance of color fastness to washing and rubbing
- KU23.** Impact of finishing activities on colour fastness to washing, rubbing and quality of the final product

Generic Skills (GS)

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

- GS1.** Write in local language
- GS2.** Read and comprehend written instructions
- GS3.** Listen effectively and orally communicate information accurately
- GS4.** Ask for clarification and advice from others
- GS5.** Follow rule-based decision-making processes
- GS6.** Make decisions on a suitable course of action or response
- GS7.** Plan and organize your work to achieve targets and deadlines
- GS8.** Avoid absenteeism
- GS9.** Be punctual
- GS10.** Work in Discipline
- GS11.** Act objectively, rather than impulsively or emotionally when faced with difficult/stressful or emotional situations
- GS12.** Apply problem-solving approaches in different situations
- GS13.** Seek clarification on problems from others
- GS14.** Analyze data and activities
- GS15.** Pass on relevant information to others
- GS16.** Provide opinions on work in a detailed and constructive way
- GS17.** Apply balanced judgment to different situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparing for finishing activities</i>	34	61	-	-
1. Analyze the type of finishing activities (washing, soaping, softening, fixing, sizing etc.) to be carried out according to yarn, dye type and specific end used	11	17	-	-
2. Weigh and arrange the required chemicals for preparing the bath	7	17	-	-
3. Check that the container for carrying out finishing activities is clean	2	6	-	-
4. Ensure that the right quality of water and other chemicals is available	4	6	-	-
5. Prepare the bath for carrying out finishing activities	10	15	-	-
<i>Carrying out finishing activities</i>	20	35	-	-
6. Carry out required finishing activities	6	14	-	-
7. Depending upon the type of dye used, follow the technique for drying (sunlight or shade etc.)	6	9	-	-
8. Dispose of the waste materials in the approved manner	4	6	-	-
9. Leave work area safe and secure when work is complete	4	6	-	-
NOS Total	54	96	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N7203
NOS Name	Carry out finishing of dyed yarn
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Handloom Preparatory
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	14/09/2015
Next Review Date	13/09/2016
NSQC Clearance Date	19/02/2016

Qualification Pack

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Element/ 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 Element/ PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
6. To pass the Qualification Pack assessment, every trainee should score the Recommended Pass % aggregate for the QP.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Minimum Aggregate Passing % at QP Level : 70

(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/N7201.Carry out pre dyeing activities: desizing, scouring, bleaching etc.	54	96	-	-	150	20
TSC/N9005.Maintain work area and tools in handloom sector	19	31	-	-	50	7
TSC/N9006.Working in a team in handloom sector	20	30	-	-	50	7

Qualification Pack

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
TSC/N9007.Maintain health, safety and security at work place in handloom sector	33	67	-	-	100	12
TSC/N9008.Comply with work place requirements in handloom sector	20	30	-	-	50	7
TSC/N7202.Carry out dyeing of hank yarn	72	128	-	-	200	27
TSC/N7203.Carry out finishing of dyed yarn	54	96	-	-	150	20
Total	272	478	-	-	750	100

Acronyms

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

Qualification Pack

Glossary

Sector	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.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
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 (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) 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 (QP)	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.
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 verify that this is the appropriate OS they are looking for.
Scope	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

Knowledge and Understanding (KU)	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.
Organisational Context	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.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	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.
Electives	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.
Options	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.