Two Shaft Handloom Weaver

QP Code: TSC/Q7303

Version: 4.0

NSQF Level: 3

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TSC/Q7303: Two Shaft Handloom Weaver

Brief Job Description

A two shaft handloom weaver produces various types of fabrics in the basic weaves and its derivatives using different kinds of yarns such as cotton, wool, silk, etc. by hand on a fly-shuttle or a throw-shuttle handloom as per the provided yarn and pattern or design specifications.

Personal Attributes

A two shaft handloom weaver should have physicals skills like dexterity, hand-eye-leg coordination, motor skills, strength, stamina and ability to handle heavy equipment. A two shaft handloom weaver should also have sensory skills like hearing ability and vision (normal distance vision, colour vision, night vision, peripheral vision, depth perception, ability to differentiate between colours, shade, depth and ability to change focus).

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. TSC/N7305: Carry out pre-weaving activities in handloom

2. TSC/N7306: Operate the handloom

3. TSC/N7307: Contribute to achieve quality in handloom weaving

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

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

6. DGT/VSQ/N0101: Employability Skills (30 Hours)

Qualification Pack (QP) Parameters

Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Weaver
Country	India
NSQF Level	3

Credits	11
Aligned to NCO/ISCO/ISIC Code	NCO-2015/7318.58
Minimum Educational Qualification & Experience	10th Class with NA of experience OR 8th grade pass and pursuing continuous schooling in regular school with vocational subject with NA of experience OR 9th Class with 1.5 years of experience OR 8th Class with 3 Years of experience OR 5th Class Pass with 7 Years of experience OR Previous relevant Qualification of NSQF Level 2 with 3 Years of experience
Minimum Level of Education for Training in School	9th Class
Pre-Requisite License or Training	NA
Minimum Job Entry Age	16 Years
Last Reviewed On	NA
Next Review Date	22/10/2027
NSQC Approval Date	22/10/2024
Version	4.0
Reference code on NQR	QG-03-TX-03347-2024-V1-TSC
NQR Version	1

TSC/N7305: Carry out pre-weaving activities in handloom

Description

This OS unit is about performance criteria, knowledge and understanding and generic skills required for executing necessary techniques to undertake pre-weaving activities such as drafting, denting, filling pirns, preparing the two shaft looms and analysing the design.

Scope

The scope covers the following :

- Undertake the pre-weaving activities

Elements and Performance Criteria

Undertake the pre-weaving activities

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

PC1.   implement the steps to gait the warp sheets as per standard operating procedure

PC2.   check the functioning of loom mechanisms like shedding, picking, let-off, beating and take-up

PC3.   check the availability of weaver's beam as per design specifications

PC4.   verify the condition of the weaver's beam including the selvedge for cross ends, ends pulling out, etc.

PC5.   ensure that all spare material, raw material, tools, accessories, fabric are stored at designated areas

PC6.   employ basic techniques to ensure that the attached warp sheet is drafted and dented as per the instructions and design specifications provided

PC7.   calculate the number of shuttles required and keep them ready with properly loaded coloured pirns as per the design specifications

PC8.   check the availability and condition of the shuttle, weft yarn and filled pirns

PC9.   comprehend the given design such as plain or its variations which needs to be woven

PC10.   adjust the treadle straps as per the required shed height

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1.   guidelines and standards for quality handloom weaving

KU2.   scope of work, responsibility and reporting procedure

KU3.   method to obtain further information on work related tasks

KU4.   different parts of the handloom such as beams, healds, heald shafts, treadles, reed, etc.

KU5.   different types of fibres, yarns, count, twist, etc.

KU6.   types of basic weaves- plain and its variations

KU7. details of shedding, picking take up and let off motions of two shaft hand loom and their functions

KU8. potential hazards associated with the preparation of two shaft handloom and the safety precautions

KU9. technical terms associated with all pre-loom operations

KU10. treadle strap tying methods

KU11. types of tools and equipment used

KU12. step-by-step process flow involved in the pre-loom operations

KU13. causes for fabric defects due to improper pre-loom activities and defective loom

Generic Skills (GS)

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

GS1. write in local or English language of instructions received from clients or master weaver

GS2. read and interpret documents in local or English language

GS3. listen attentively

GS4. talk effectively to convey information succinctly and unequivocally

GS5. interpret contractor or clients work requirements and other weaving related specifications correctly plan and organize own work as per timelines and commitments

GS6. provide opinion on work in a detailed and constructive way

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Undertake the pre-weaving activities	**100**	**190**	**-**	**-**
PC1. implement the steps to gait the warp sheets as per standard operating procedure	-	-	-	-
PC2. check the functioning of loom mechanisms like shedding, picking, let-off, beating and take-up	-	-	-	-
PC3. check the availability of weaver's beam as per design specifications	-	-	-	-
PC4. verify the condition of the weaver's beam including the selvedge for cross ends, ends pulling out, etc.	-	-	-	-
PC5. ensure that all spare material, raw material, tools, accessories, fabric are stored at designated areas	-	-	-	-
PC6. employ basic techniques to ensure that the attached warp sheet is drafted and dented as per the instructions and design specifications provided	-	-	-	-
PC7. calculate the number of shuttles required and keep them ready with properly loaded coloured pirns as per the design specifications	-	-	-	-
PC8. check the availability and condition of the shuttle, weft yarn and filled pirns	-	-	-	-
PC9. comprehend the given design such as plain or its variations which needs to be woven	-	-	-	-
PC10. adjust the treadle straps as per the required shed height	-	-	-	-
NOS Total	100	190	-	-

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N7305
NOS Name	Carry out pre-weaving activities in handloom
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Weaver
NSQF Level	3
Credits	TBD
Version	2.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

TSC/N7306: Operate the handloom

Description

This OS unit is about performance criteria, knowledge and understanding and generic skills required for operating the two shaft handloom, mending of warp and weft breaks, and other related work responsibilities while weaving basic weaves and its derivatives on a two shaft handloom.

Scope

The scope covers the following :

- Operate the two shaft handloom
- Mend warp and weft breaks
- Other work responsibilities in two shaft handloom weaving

Elements and Performance Criteria

Operate the two shaft handloom

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

PC1. check the starting position of the two shaft handloom parts like heald shafts, reed, shuttle, warp beam and cloth beam

PC2. carry-out the primary, secondary and auxiliary weaving operations on the two-shaft handloom to weave the fabric as per design specifications

PC3. use raw materials as per the specifications provided

PC4. maintain required weft tension through the weaving operation

PC5. carry out pirn and shuttle changes as per the design specifications

PC6. maintain fabric width using temples or wooden staves

PC7. maintain constant warp tension during weaving by adjusting the 'let-off' and 'take-up' functions as and when required

PC8. employ techniques to make adjustments promptly to ensure the hand-woven fabric matches the specification

Mend warp and weft breaks

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

PC9. identify the broken warp end by standard technique

PC10. mend the broken end using weaver's knot using allotted thrums

PC11. draw the mended warp yarn through the heald, reed dent as per the prescribed weave drawing order using drawing hook

PC12. fix the drawn broken end outside the fell of cloth

PC13. take the broken weft out of the shed as per specified procedure

PC14. insert shuttle from the broken weft position to continue the weft supply by following standard procedure

PC15. check the weft pattern as per the specified design

PC16. change the pirn and shuttle as per specified design

Other work responsibilities in two shaft handloom weaving

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

PC17. follow timelines for fabric production and delivery

PC18. store the required weft pirns and warp thrumbs in the allocated place

PC19. operate the two shaft handloom without weft crack

PC20. monitor the condition of healds and shafts at specified intervals

PC21. doff and store the cloth roller as per the SOP

PC22. clear the surface damages of the shuttle using specified emery sheet

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. potential hazards associated with the two shaft weaving operation and with the safety precautions

KU3. weavability of various yarns such as natural fibres, manmade fibres and blended fibres on hand looms

KU4. various types of looms for woven fabric production

KU5. types of shuttles used for handloom woven fabric production

KU6. types of emery paper and its usage in handloom weaving place

KU7. various types of shedding mechanism and its working principle

KU8. different types of weaves such as plain, twill, satin, jacquard designs, etc.

KU9. remedies of various types of fabric defects such as weaver oriented, machine oriented, raw material oriented, etc.

KU10. tolerance limits for cloth width, Ends Per Inch (EPI), Picks Per Inch (PPI), etc.

Generic Skills (GS)

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

GS1. write clear and short sentences in the production record book

GS2. communicate with weavers and master weavers as per standard protocol

GS3. comprehend written basic weave and its derivatives fabric production instructions

GS4. perform basic arithmetical calculations to calculate fabric production, yarn requirements, etc.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Operate the two shaft handloom	**40**	**70**	**-**	**-**
PC1. check the starting position of the two shaft handloom parts like heald shafts, reed, shuttle, warp beam and cloth beam	-	-	-	-
PC2. carry-out the primary, secondary and auxiliary weaving operations on the two-shaft handloom to weave the fabric as per design specifications	-	-	-	-
PC3. use raw materials as per the specifications provided	-	-	-	-
PC4. maintain required weft tension through the weaving operation	-	-	-	-
PC5. carry out pirn and shuttle changes as per the design specifications	-	-	-	-
PC6. maintain fabric width using temples or wooden staves	-	-	-	-
PC7. maintain constant warp tension during weaving by adjusting the 'let-off' and 'take-up' functions as and when required	-	-	-	-
PC8. employ techniques to make adjustments promptly to ensure the hand-woven fabric matches the specification	-	-	-	-
Mend warp and weft breaks	**30**	**60**	**-**	**-**
PC9. identify the broken warp end by standard technique	-	-	-	-
PC10. mend the broken end using weaver's knot using allotted thrums	-	-	-	-
PC11. draw the mended warp yarn through the heald, reed dent as per the prescribed weave drawing order using drawing hook	-	-	-	-
PC12. fix the drawn broken end outside the fell of cloth	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. take the broken weft out of the shed as per specified procedure	-	-	-	-
PC14. insert shuttle from the broken weft position to continue the weft supply by following standard procedure	-	-	-	-
PC15. check the weft pattern as per the specified design	-	-	-	-
PC16. change the pirn and shuttle as per specified design	-	-	-	-
Other work responsibilities in two shaft handloom weaving	**30**	**60**	**-**	**-**
PC17. follow timelines for fabric production and delivery	-	-	-	-
PC18. store the required weft pirns and warp thrumbs in the allocated place	-	-	-	-
PC19. operate the two shaft handloom without weft crack	-	-	-	-
PC20. monitor the condition of healds and shafts at specified intervals	-	-	-	-
PC21. doff and store the cloth roller as per the SOP	-	-	-	-
PC22. clear the surface damages of the shuttle using specified emery sheet	-	-	-	-
NOS Total	**100**	**190**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N7306
NOS Name	Operate the handloom
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Weaver
NSQF Level	3
Credits	TBD
Version	2.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

TSC/N7307: Contribute to achieve quality in handloom weaving

Description

This unit provides performance criteria, knowledge and understanding and skills and abilities required to monitor and maintain the fabric quality woven on the two shaft handloom as per specifications.

Scope

The scope covers the following :

- Produce quality fabrics in two shaft handloom

Elements and Performance Criteria

Produce quality fabrics in two shaft handloom

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

PC1. identify and use raw materials as per the specifications provided
PC2. identify faulty materials and components and get them rectified
PC3. identify mendable basic weave fabric defects for rework
PC4. make adjustments promptly to ensure the hand-woven fabric matches the specifications
PC5. carry out quality checks at specified intervals according to the specifications
PC6. apply the allowed tolerances in the weaving operation
PC7. identify materials and components which can cause crease, stain and damage to the woven fabric

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. woven fabric grading points
KU3. basic weave woven fabric quality requirements
KU4. mendable and non-mendable woven fabric defects

Generic Skills (GS)

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

GS1. write clear and short sentences with respect to quality achieved
GS2. comprehend written quality instructions
GS3. communicate with weavers and master weavers as per standard protocol

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Produce quality fabrics in two shaft handloom	**25**	**55**	-	-
PC1. identify and use raw materials as per the specifications provided	-	-	-	-
PC2. identify faulty materials and components and get them rectified	-	-	-	-
PC3. identify mendable basic weave fabric defects for rework	-	-	-	-
PC4. make adjustments promptly to ensure the hand-woven fabric matches the specifications	-	-	-	-
PC5. carry out quality checks at specified intervals according to the specifications	-	-	-	-
PC6. apply the allowed tolerances in the weaving operation	-	-	-	-
PC7. identify materials and components which can cause crease, stain and damage to the woven fabric	-	-	-	-
NOS Total	**25**	**55**	-	-

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N7307
NOS Name	Contribute to achieve quality in handloom weaving
Sector	Textile
Sub-Sector	Handloom & Khadi
Occupation	Weaver
NSQF Level	3
Credits	TBD
Version	2.0
Last Reviewed Date	22/10/2024
Next Review Date	22/10/2027
NSQC Clearance Date	22/10/2024

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

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 donts 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

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

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Maintaining the work area, tools and machines	**10**	**10**	**-**	**6**
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	**7**	**10**	**-**	**6**
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	**32**	**40**	**-**	**28**

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
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	-	-	-	-
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	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC28. follow the approved safety plans at workplace	-	-	-	-
Organizational standards and policies	**16**	**20**	**-**	**10**
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	-	-	-	-
NOS Total	**65**	**80**	**-**	**50**

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9015
NOS Name	Follow machine, safety, and organizational guidelines in textile sector
Sector	Textile
Sub-Sector	Generic - Textiles Handloom
Occupation	Generic - Textiles & Handloom
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	18/02/2025
Next Review Date	18/02/2028
NSQC Clearance Date	18/02/2025

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)

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

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Teamwork, trust and communication	**10**	**15**	**-**	**5**
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	**5**	**5**	**-**	**5**
PC14. adapt to flexible work environment for the assigned task	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
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	-	-	-	-
NOS Total	**15**	**20**	**-**	**10**

National Occupational Standards (NOS) Parameters

NOS Code	TSC/N9016
NOS Name	Follow teamwork, adaptability, and communication guidelines in textile sector
Sector	Textile
Sub-Sector	Generic - Textiles Handloom
Occupation	Generic - Textiles & Handloom
NSQF Level	4
Credits	TBD
Version	1.0
Last Reviewed Date	18/02/2025
Next Review Date	18/02/2028
NSQC Clearance Date	18/02/2025

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

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

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
Introduction to Employability Skills	1	1	-	-
PC1. understand the significance of employability skills in meeting the job requirements	-	-	-	-
Constitutional values – Citizenship	1	1	-	-
PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
Becoming a Professional in the 21st Century	1	3	-	-
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	2	3	-	-
PC4. speak with others using some basic English phrases or sentences	-	-	-	-
Communication Skills	1	1	-	-
PC5. follow good manners while communicating with others	-	-	-	-
PC6. work with others in a team	-	-	-	-
Diversity & Inclusion	1	1	-	-
PC7. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. report any issues related to sexual harassment	-	-	-	-
Financial and Legal Literacy	3	4	-	-
PC9. use various financial products and services safely and securely	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. calculate income, expenses, savings etc.	-	-	-	-
PC11. approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
Essential Digital Skills	**4**	**6**	**-**	**-**
PC12. operate digital devices and use its features and applications securely and safely	-	-	-	-
PC13. use internet and social media platforms securely and safely	-	-	-	-
Entrepreneurship	**3**	**5**	**-**	**-**
PC14. identify and assess opportunities for potential business	-	-	-	-
PC15. identify sources for arranging money and associated financial and legal challenges	-	-	-	-
Customer Service	**2**	**2**	**-**	**-**
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	**1**	**3**	**-**	**-**
PC19. create a basic biodata	-	-	-	-
PC20. search for suitable jobs and apply	-	-	-	-
PC21. identify and register apprenticeship opportunities as per requirement	-	-	-	-
NOS Total	**20**	**30**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0101
NOS Name	Employability Skills (30 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	2
Credits	1
Version	1.0
Last Reviewed Date	08/05/2025
Next Review Date	30/04/2028
NSQC Clearance Date	08/05/2025

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) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.

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

(**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/N7305.Carry out pre-weaving activities in handloom	100	190	-	-	290	30
TSC/N7306.Operate the handloom	100	190	-	-	290	30
TSC/N7307.Contribute to achieve quality in handloom weaving	25	55	-	-	80	10
TSC/N9015.Follow machine, safety, and organizational guidelines in textile sector	65	80	-	50	195	20
TSC/N9016.Follow teamwork, adaptability, and communication guidelines in textile sector	15	20	-	10	45	5
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	0	0	50	5
Total	**325**	**565**	**-**	**60**	**950**	**100**

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
NGO	Non - Governmental Organization
SHG	Self Help Group
EPI	Ends Per Inch
PPI	Picks Per Inch
SOP	Standard Operating Procedure

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.

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.