

# NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

NSDA Reference

To be added by NSDA

## CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

### Name and address of submitting body:

**Textile Sector Skill Council (TSC)**

**Address:** 15<sup>th</sup> Floor, Nirmal Tower,

26, Barakhamba Road,

New Delhi - 110001

Tel: 011-23325012

### Name and contact details of individual dealing with the submission

**Name:** Dr. Swapna Mishra

**Position in the organisation:** Director

**Address if different from above:** same as above

**Tel number(s):** 011-23325012, 13, 15 & 55

**E-mail address:** [info@texskill.in](mailto:info@texskill.in), [director@texskill.in](mailto:director@texskill.in)

## List of documents submitted in support of the Qualifications File

1. Career Map/ Progression of Hand Operated Knitting Machine Operator (Circular & Flat)-  
[Annexure 1](#)
2. QP TSC/Q7304- [Annexure 2](#)
3. NSDC report on Human Resource and Skill Requirements in Textiles Sector – [Annexure 3](#)
4. Protocol for Accreditation of Assessment Agencies and Assessment Framework – [Annexure 4](#)
5. Format for EOI for AA Accreditation from TSC - [Annexure 5](#)

# NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

## SUMMARY

|   |  |
|---|--|
| <b>Qualification Title</b>  | Hand Operated Knitting Machine Operator (Circular & Flat)  |
| <b>Qualification Code</b>   | TSC/Q7304  |
| <b>Nature and purpose of the qualification</b>  | <p>This is a Qualification Pack (QP) containing National Occupational Standards for the job role - Hand Operated Knitting Machine Operator (Circular &amp; Flat)</p> <p>The main purpose of the qualification and the target learners is to get unemployed people into work and to upgrade the skills of people already in work.</p> |
| <b>Body/bodies which will award the qualification</b>                                   | Textile Sector Skill Council (Textile SSC)   |
| <b>Body which will accredit providers to offer courses leading to the qualification</b> | Textile Sector Skill Council (Textile SSC)   |
| <b>Body/bodies which will carry out assessment of learners</b>                          | <ul style="list-style-type: none"> <li>• The Assessors Guilds</li> <li>• Cindrel Infotech Private Limited</li> <li>• Intouch Financial Services Pvt Ltd</li> <li>• PVR Skill Central Pvt Ltd.</li> </ul>   |
| <b>Occupation(s) to which the qualification gives access</b>                            | Knitting   |
| <b>Licensing requirements</b>   | N/A  |
| <b>Level of the qualification in the NSQF</b>   | Level - 4  |
| <b>Anticipated volume of training/learning required to complete the qualification</b>   | 300hours   |
| <b>Entry requirements and/or recommendations</b>  | <p>Minimum Educational Qualifications - 5th Standard pass, preferably Experience—Not applicable</p> <p>Minimum Job Entry Age- 18 years</p>   |
| <b>Progression from the qualification</b>   | <p>This entry should refer to one or more of the following:</p> <ul style="list-style-type: none"> <li>- access to other qualifications at the same NSQF level - NA</li> <li>- access to related qualification(s) at the next NSQF level- (<a href="#">Annexure 1</a>)</li> </ul>  |
| <b>Planned arrangements for the Recognition of Prior learning (RPL)</b>                 | <p>Textile SSC is working along with Knitting industry for skill profiling of the existing work force in the industry. Arrangements and process guidelines are under development.</p> <p>The process and guidelines will take time to evolve and will incorporate NSDC guidelines on RPL.</p>  |
| <b>International comparability where known</b>  | Not yet established  |
| <b>Date of planned review of the qualification.</b>                                     | 03/05/19   |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| <b>Formal structure of the qualification</b>                                   |                                |  |              |
|--|--------------------------------|--|--------------|
| <b>Title of component and identification code.</b>                             | <b>Mandatory/O<br/>ptional</b> | <b>Estimated<br/>size (learning<br/>hours)</b> | <b>Level</b> |
| TSC/N7308 Undertake knitting process efficiently                               | M                              | 80   | 4            |
| TSC/N9005 Maintain work area and tools in handloom sector                      | M                              | 60   | 4            |
| TSC/N9006 Working in a team in handloom sector                                 | M                              | 50   | 4            |
| TSC/N9007 Maintain health, safety and security at workplace in handloom sector | M                              | 70   | 4            |
| TSC/N9008 Comply with work place requirements in handloom sector               | M                              | 40   | 4            |

Please attach any document giving further detail about the structure of the qualification – e.g. a Curriculum Document or a Qualification Pack.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

1. QP TSC/Q7304– [Annexure 2](#)

# NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

## SECTION 1

### ASSESSMENT

**Body/Bodies which will carry out assessment:**

**If there will be more than one assessment body for this qualification, give details.**

- The Assessors Guilds
- Cindrel Infotech Private Limited
- Intouch Financial Services Pvt. Ltd.
- PVR Skill Central Pvt. Ltd.

**How will RPL assessment be managed and who will carry it out?**

**Give details of how RPL assessment for the qualification will be carried out and quality assured.**

Yes, the assessment body shall be responsible for RPL assessment.

In RPL, the candidate has acquired the skills and knowledge while working and requires assessment and certification only. RPL is the acknowledgement of skills and knowledge obtained through:

- formal training
- work experience
- life experiences

The focus of RPL is the competence gained from these experiences; not how, when or where the learning occurred.

Process or steps in RPL assessments

1. Offering RPL to potential candidates
2. Providing information to the candidate
3. Self-assessment
4. Evidence collation
5. Assessment and making the decision
6. Feedback to the candidate
7. Documentation of outcomes

**Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, consistent and fair and show that these are in line with the requirements of the NSQF:**

- a) The emphasis is on 'learning-by-doing' and practical demonstration of skills and knowledge based on the performance criteria.
- b) The assessment papers are developed by Subject Matter Experts (SME) available with the Assessment Agency as per the performance and assessment criteria mentioned in the Qualification Packs.
- c) The assessments papers are also checked for the various outcome based parameters such as quality, time taken, precision, tools & equipment requirement, etc.
- d) The assessments are designed so as to assess maximum parts during the practical hands on work. Duties and responsibility of a packing checker are also assessed. The technical limitations at the training centres are taken care in theory and viva.
- e) The assessment agencies are instructed to hire assessors with integrity, reliability and fairness. Each assessor shall sign a document with its assessment agency by which they commit themselves to comply with the rules of confidentiality and conflict of interest independence from commercial and other interests that would compromise impartiality of the assessments.
- f) The assessment agencies are instructed to Ideally have assessor with right mix of industry experience, academia and these are detailed in Assessment Agency Protocol.
- g) The assessors selected by Assessment Agencies are scrutinized and made to undergo training and introduction to Assessment Framework, competency based assessments, assessors guide etc.
- h) The assessors are provided with assessor's guide developed by the Subject Matter Expert of the

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

assessment agency or by TSC as per the assessment framework. The assessment guides are developed to ensure the maximum possible consistency / transparency in the assessment by different assessors and elaborate on the following

1. Qualification Pack Structure
2. Guidance for the assessor to conduct theory, practical and viva assessments
3. Guidance for trainees to be given by assessor before the start of the assessments.
4. Guidance on assessments process, practical brief with steps of operations practical observation checklist Attendance Sheet and mark sheet
5. Viva guidance for uniformity and consistency across the batch.
6. Guidance on assessment evidence collection

The assessment results are backed by evidences collected by assessors

1. The assessor needs to collect a copy of the attendance for the training done under the scheme. The attendance sheets are signed and stamped by the in charge /Head of the Training Centre.
2. The assessor needs to verify the authenticity of the candidate by checking the photo ID card issued by the institute as well as any one Photo ID card issued by the Central/Government. The same needs to be mentioned in the attendance sheet. In case of suspicion, the assessor should authenticate and cross verify trainee's credentials in the enrolment form.
3. The assessor needs to take a photograph of all the students along with the centre name/ banner at the back as evidence.
4. The assessor needs to carry a camera to click photograph of the trainees working on the job and giving theory exam as evidence.
5. The assessor also needs to carry a photo ID card.
6. The assessor also needs to take the photographs as evidence from appropriate angles/ sides of the final work piece/job submitted by the trainee.
7. The details on assessment framework are elaborated in TSC Protocol for Accreditation of Assessment Agencies and Assessment Framework.

All accredited Assessment Agency follow the "TSC Protocol for Accreditation of Assessment Agencies and Assessment Framework". Each NOS in the Qualification Pack (QP) will be assigned a relative weightage for assessment based on the criticality of the NOS. Therein each Performance Criteria in the NOS will be assigned marks for or practical based on relative importance, criticality of function and training infrastructure.

Please attach any documents giving further information about assessment and/or RPL.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

1. Protocol for Accreditation of Assessment Agencies and Assessment Framework – [Annexure 4](#)
2. Format for EOI for AA Accreditation from TSC - [Annexure 5](#)

### ASSESSMENT EVIDENCE

**Complete a grid for each component as listed in "Formal structure of the qualification" in the Summary.**

*NOTE: this grid can be replaced by any part of the qualification documentation which shows the same information – i.e Learning Outcomes to be assessed, assessment criteria and the means of assessment.*

## CRITERIA FOR ASSESSMENT OF TRAINEES

**Job Role:** Hand Operated Knitting Machine (Circular & Flat)

**Qualification Pack:** TSC/Q7304

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

### Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3. 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 this criterion.
6. To pass the Qualification Pack, every trainee should score a minimum of 70% in aggregate marks to successfully clear the assessment
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

### **Title of Component:**

| Total Marks : 450                                     | Compulsory NOS  |             |        | Marks Allocation |                  |
|---|---|-------------|--------|------------------|------------------|
| Assessable Outcomes                                   | Assessment Criteria   | Total Marks | Out of | Theory           | Skills Practical |
| 1.TSC/N7308<br>Undertake knitting process efficiently | PC1. select the type of knitting machine as per the product's requirement                                       | 200         | 20     | 5                | 15               |
|   | PC2. interpret production and pattern specifications to determine required machine settings for knitted product |             | 20     | 5                | 15               |
|   | PC3. select appropriate tools for the machine as per product's requirement                                      |             | 20     | 5                | 15               |
|   | PC4. run the machine at optimum quality and efficiency levels   |             | 20     | 5                | 15               |
|   | PC5. check the yarn threaded for production for possible impact on operational problems                         |             | 20     | 5                | 15               |
|   | PC6. operate the knitting machine in accordance with manufacturer's and workplace instructions                  |             | 20     | 5                | 15               |
|   | PC7. conduct quality tests to ensure optimal  |             | 20     | 5                | 15               |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| Total Marks : 450  | Compulsory NOS  |              |            | Marks Allocation |                  |
|--|---|--------------|------------|------------------|------------------|
| Assessable Outcomes  | Assessment Criteria   | Total Marks  | Out of     | Theory           | Skills Practical |
|  | production outcomes are achieved  |              |            |                  |                  |
|  | PC8. diagnose and fix knitting problems   |              | 20         | 5                | 15               |
|  | PC9. assess operational efficiency and safe operation of knitting machines                    |              | 20         | 5                | 15               |
|  | PC10. identify knit faults and determine the root cause                                       |              | 20         | 5                | 15               |
|  |   | <b>Total</b> | <b>200</b> | <b>50</b>        | <b>150</b>       |
|  |   |              |            |                  |                  |
| 2.TSC/N9005<br>Maintain work area and tools in handloom sector | PC1. handle materials and tools safely and correctly  | 50           | 5          | 2                | 3                |
|  | PC2. use correct lifting and handling procedures  |              | 3          | 1                | 2                |
|  | PC3. use materials in a manner to minimize waste  |              | 3          | 1                | 2                |
|  | PC4. maintain a clean and hazard free working area  |              | 3          | 1                | 2                |
|  | PC5. maintain the tools and equipment used for winding  |              | 5          | 2                | 3                |
|  | PC6. carry out maintenance and/or cleaning within one's responsibility                        |              | 5          | 2                | 3                |
|  | PC7. identify damaged tools and materials and take action according to the standards followed |              | 5          | 2                | 3                |
|  | PC8. ensure that the correct tools and yarn required are in place                             |              | 3          | 1                | 2                |
|  | PC9. work in the correct posture  |              | 3          | 1                | 2                |
|  | PC10. use cleaning equipment and methods appropriate for the work to be carried out           |              | 3          | 1                | 2                |
|  | PC11. dispose of waste safely in the designated location                                      |              | 4          | 2                | 2                |
|  | PC12. store cleaning equipment safely after use   |              | 3          | 1                | 2                |
|  | PC13. carry out cleaning according to schedule and limits of responsibility                   |              | 5          | 2                | 3                |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| Total Marks : 450  | Compulsory NOS  |              |           | Marks Allocation |                  |
|--|---|--------------|-----------|------------------|------------------|
| Assessable Outcomes  | Assessment Criteria   | Total Marks  | Out of    | Theory           | Skills Practical |
|  |   | <b>Total</b> | <b>50</b> | <b>19</b>        | <b>31</b>        |
| 3.TSC/N9006<br>Working in a team in handloom sector                                  | PC1. perform own duties effectively   | 50           | 5         | 2                | 3                |
|  | PC2. take responsibility for own actions  |              | 5         | 2                | 3                |
|  | PC3. be accountable towards the job role and assigned duties  |              | 5         | 2                | 3                |
|  | PC4. take initiative and innovate the existing methods  |              | 3         | 1                | 2                |
|  | PC5. focus on self-learning and improvement   |              | 5         | 2                | 3                |
|  | PC6. co-ordinate with all team members and colleagues   |              | 5         | 2                | 3                |
|  | PC7. communicate politely   |              | 5         | 2                | 3                |
|  | PC8. avoid conflicts and miscommunication   |              | 5         | 2                | 3                |
|  | PC9. know the organizational standards  |              | 5         | 2                | 3                |
|  | PC10. implement them in your performance  |              | 5         | 2                | 3                |
|  | PC11. motivate others to follow them  |              | 2         | 1                | 1                |
|  |   | <b>Total</b> | <b>50</b> | <b>20</b>        | <b>30</b>        |
| 4.TSC/N9007<br>Maintain health, safety and security at work place in handloom sector | PC1. comply with health and safety related instructions applicable to the workplace                     | 100          | 6         | 2                | 4                |
|  | PC2. use and maintain personal protective equipment as per protocol                                     |              | 6         | 2                | 4                |
|  | PC3. carry out own activities in line with approved guidelines and procedures                           |              | 4         | 1                | 3                |
|  | PC4. maintain a healthy lifestyle and guard against dependency on intoxicants                           |              | 4         | 1                | 3                |
|  | PC5. follow environment management system related procedures  |              | 4         | 1                | 3                |
|  | PC6. store materials and tools in line with manufacturer's and Cooperative Society/NGO/SHG requirements |              | 4         | 2                | 2                |



## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| Total Marks : 450               | Compulsory NOS   |              |            | Marks Allocation |                  |
|---------------------------------|--|--------------|------------|------------------|------------------|
| Assessable Outcomes             | Assessment Criteria  | Total Marks  | Out of     | Theory           | Skills Practical |
|                                 | PC7. safely handle and move waste and debris   |              | 4          | 2                | 2                |
|                                 | PC8. minimize health and safety risks to self and others due to own actions  |              | 6          | 2                | 4                |
|                                 | PC9. monitor the work place and work processes for potential risks and threats                                       |              | 6          | 2                | 4                |
|                                 | PC10. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned              |              | 6          | 2                | 4                |
|                                 | PC11. participate in mock drills/ evacuation procedures organized at the workplace                                   |              | 4          | 2                | 2                |
|                                 | PC12. undertake first aid, fire-fighting and emergency response training, if asked to do so                          |              | 6          | 2                | 4                |
|                                 | PC13. take action based on instructions in the event of fire, emergencies or accidents                               |              | 6          | 2                | 4                |
|                                 | PC14. follow Cooperative Society/NGO/SHG procedures for evacuation when required                                     |              | 4          | 1                | 3                |
|                                 | PC15. identify different kinds of possible hazards (environmental, personal, ergonomic and chemical) of the industry |              | 4          | 1                | 3                |
|                                 | PC16. recognize other possible security issues existing in the workplace   |              | 4          | 1                | 3                |
|                                 | PC17. plan the safety techniques   |              | 5          | 2                | 3                |
|                                 | PC18. recognize different measures to curb the hazards   |              | 4          | 1                | 3                |
|                                 | PC19. implement the programs   |              | 5          | 2                | 3                |
|                                 | PC20. communicate the safety plans to everyone   |              | 4          | 1                | 3                |
|                                 | PC21. attach disciplinary rules with the implementation  |              | 4          | 1                | 3                |
|                                 |  | <b>Total</b> | <b>100</b> | <b>33</b>        | <b>67</b>        |
| 5.TSC/N9008<br>Comply with work | PC1. be accountable to one's own role in the whole process   |              | 6          | 2                | 4                |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| Total Marks : 450                     | Compulsory NOS  |             |              | Marks Allocation |                  |
|---------------------------------------|---|-------------|--------------|------------------|------------------|
| Assessable Outcomes                   | Assessment Criteria   | Total Marks | Out of       | Theory           | Skills Practical |
| place requirements in handloom sector | PC2. perform all roles with full responsibility                           | 50          | 5            | 1                | 4                |
|                                       | PC3. be effective and efficient at workplace                              |             | 4            | 2                | 2                |
|                                       | PC4. properly communicate about work place policies                       |             | 5            | 2                | 3                |
|                                       | PC5. talk politely with other team members and colleagues                 |             | 5            | 2                | 3                |
|                                       | PC6. submit daily report of own performance                               |             | 6            | 2                | 4                |
|                                       | PC7. adjust in different work situations                                  |             | 5            | 2                | 3                |
|                                       | PC8. give due importance to others' point of view                         |             | 5            | 2                | 3                |
|                                       | PC9. avoid conflicting situations   |             | 5            | 2                | 3                |
|                                       | PC10. improve upon the existing techniques to increase process efficiency |             | 4            | 2                | 2                |
|                                       |   |             | <b>Total</b> |                  | <b>50</b>        |
|                                       | <b>Total</b>  |             | <b>450</b>   | <b>141</b>       | <b>309</b>       |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

### Means of assessment 1

Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.

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 this criteria.

### Means of assessment 2

[Add boxes as required.](#)

### Pass/Fail

To pass the Qualification Pack, every trainee should score a minimum of 50% in aggregate.

The marks are allocated PC wise, however, every NOS will carry a weightage in the total marks allocated to the specific QP.

## SECTION 2

### EVIDENCE OF LEVEL

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

### OPTION A

| Title/Name of qualification/component: |   | Level:   |            |
|--|---|--|------------|
| NSQF Domain                            | Outcomes of the Qualification/Component | How the job role relates to the NSQF level descriptors | NSQF Level |
| Process                                |   |  |            |
| Professional knowledge                 |   |  |            |
| Professional skill                     |   |  |            |
| Core skill                             |   |  |            |
| Responsibility                         |   |  |            |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

### OPTION B

| Title/Name of qualification/component: <b>Hand Operated Knitting Machine Operator (Circular &amp; Flat)</b> |  | Level: 4  |            |
|---|--|---|------------|
| NSQF Domain   | Key requirements of the job role   | How the job role relates to the NSQF level descriptors  | NSQF Level |
| Process   | <p><b><u>Work in familiar, predictable, routine, situation of clear choice:</u></b></p> <ul style="list-style-type: none"> <li>select the type of knitting machine as per the product's requirement</li> <li>select appropriate tools for the machine as per product's requirement</li> <li>run the machine at optimum quality and efficiency levels</li> <li>check the yarn threaded for production for possible impact on operational problems</li> <li>operate the knitting machine in accordance with manufacturer's and workplace instruction</li> <li>select the type of yarn as per product's requirement</li> <li>place the yarn in the creel</li> <li>feed yarn through a feeder under tension to the needles to create stitches</li> </ul> | <p>As mentioned in the various performance criteria mentioned in the previous cell, the Hand Operated Knitting Machine Operator (Circular &amp; Flat) works in familiar, predictable, routine, situation of clear choice.</p> <p>Hence NSQF Level is 4</p>        | 4          |
| Professional knowledge  | <p><b><u>Factual knowledge of field of knowledge or study:</u></b></p> <ul style="list-style-type: none"> <li>type, design and diameter of fabric</li> <li>finished fabric per square meter (GSM)— calculation and control</li> <li>yarn type and count</li> <li>factors affecting machine performance—yarn strength, sizing, ambient conditions</li> <li>various types of knitting process</li> </ul>   | <p>As mentioned in the various knowledge and understanding criteria mentioned in the previous cell, the Hand Operated Knitting Machine Operator (Circular &amp; Flat) requires factual knowledge of field of knowledge or study.</p> <p>Hence NSQF Level is 4</p> | 4          |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| Title/Name of qualification/component: <b>Hand Operated Knitting Machine Operator (Circular &amp; Flat)</b> |  | Level: 4  |            |
|---|--|---|------------|
| NSQF Domain   | Key requirements of the job role   | How the job role relates to the NSQF level descriptors  | NSQF Level |
|   | <ul style="list-style-type: none"> <li>different machine parameters</li> <li>basic weft knitting stitches— plain-knit stitch, purl stitch and rib stitch</li> <li>common knitting machine defects and remedies</li> <li>safety and environmental aspects of knitting</li> </ul>  |   |            |
| Professional skill  | <p><b><u>Recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool, using quality concepts:</u></b></p> <ul style="list-style-type: none"> <li>interpret production and pattern specifications to determine required machine settings for knitted product</li> <li>conduct quality tests to ensure optimal production outcomes are achieved</li> <li>diagnose and fix knitting problems</li> <li>assess operational efficiency and safe operation of knitting machines</li> <li>identify knit faults and determine the root cause</li> <li>identify different types of needles used for various knitting process</li> <li>calculate the number of feeder as per the required design of the product</li> <li>set the machine as per design and fabric per square meter</li> <li>knit as per design and withdraw the roll fabric and weigh</li> <li>ensure that the machine stops instantly during yarn breakage</li> <li>change broken needles and knot the yarn when the yarn breaks</li> </ul> | <p>As mentioned in the various performance criteria mentioned in the previous cell, the Hand Operated Knitting Machine Operator (Circular &amp; Flat) is able to recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool, using quality concepts.</p> <p>Hence NSQF Level is 4</p> | 4          |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| Title/Name of qualification/component: <b>Hand Operated Knitting Machine Operator (Circular &amp; Flat)</b> |  | Level: 4   |            |
|---|--|--|------------|
| NSQF Domain   | Key requirements of the job role   | How the job role relates to the NSQF level descriptors   | NSQF Level |
| Core skill  | <ul style="list-style-type: none"> <li>inspect and mark the roll</li> </ul> <p><b><u>Language to communicate written or oral, with required clarity, skill to basic arithmetic and algebraic principles, basic understanding of social, political and natural environment:</u></b></p> <ul style="list-style-type: none"> <li>production, quality related information, numbering, and maintenance of related information and materials, etc.</li> <li>communicate with co-workers appropriately</li> <li>talk effectively to convey information succinctly and unequivocally</li> <li>listen effectively and orally communicate information accurately</li> <li>ask for clarification and advice from others</li> <li>communicate politely</li> <li>standard Operating Procedures (SOP) and regulations in the cooperative society/NGO/SHG</li> <li>follow environment management system related procedures</li> <li>identify different kinds of possible hazards (environmental, personal, ergonomic and chemical) of the industry</li> </ul> | <p>As mentioned in the various performances, Knowledge and Skills criteria mentioned in the previous cell, the Hand Operated Knitting Machine Operator (Circular &amp; Flat) is able to use language to communicate written or oral, with required clarity, and requires a basic understanding of social, political and natural environment and also requires skill to basic arithmetic and algebraic principles.</p> <p>Hence NSQF Level is 4</p> | 4          |
| Responsibility  | <p><b><u>Responsibility for own work and learning:</u></b></p> <ul style="list-style-type: none"> <li>own job role and responsibilities and sources for information pertaining to employment terms, compensation, job role and responsibilities</li> <li>plan and organize own work in a way that all activities are completed in time and as per specifications</li> <li>take responsibility for own actions</li> </ul>   | <p>As mentioned in the various Points mentioned in the previous cell, the Hand Operated Knitting Machine Operator (Circular &amp; Flat) demonstrates responsibility for own work and learning.</p> <p>All performance criteria mentioned in the Qualification Pack are responsibilities of an Assistant Cotton Grader however certain important PCs are depicted here.</p>   | 4          |

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

| Title/Name of qualification/component: <b>Hand Operated Knitting Machine Operator (Circular &amp; Flat)</b> |   |  | Level: 4   |
|---|---|--|------------|
| NSQF Domain   | Key requirements of the job role  | How the job role relates to the NSQF level descriptors | NSQF Level |
|   | <ul style="list-style-type: none"> <li>• carry out cleaning according to schedule and limits of responsibility</li> <li>• focus on self-learning and improvement</li> <li>• take initiative and innovate the existing methods</li> <li>• plan and organize your work to achieve targets and deadlines</li> <li>• undertake first aid, fire-fighting and emergency response training, if asked to do so</li> <li>• take action based on instructions in the event of fire, emergencies or accidents</li> <li>• plan and organize your work to achieve targets and deadlines</li> </ul> | Hence NSQF Level is 4                                  |            |



# NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

## SECTION 3

### EVIDENCE OF NEED

#### What evidence is there that the qualification is needed?

Please refer to the attached list of job roles and occupations as per the attachment and their career paths as per [Annexure 1](#), which have been derived through extensive interactions with stakeholders including Ginning cluster core actors through 2 workshops, emails, one-on-one discussions and interactions with representatives from different Cluster/Associations / Organizations all over the country who participated in the validation process to make the Qualification Packs viable to the current industry requirements.

#### List of Organizations/Industry Experts involved in the Validation process for the QP

| Organizations/ Industry Experts | State          | Organizations/ Industry Experts | State          | Organizations/ Industry Experts | State          |
|---------------------------------|----------------|---------------------------------|----------------|---------------------------------|----------------|
| N Haribabu                      | Andhra Pradesh | K Srinivasa Rao                 | Andhra Pradesh | J Venkata Rao                   | Andhra Pradesh |
| G Sattemma                      | Andhra Pradesh | G Chinnamni                     | Andhra Pradesh | J Janardana Rao                 | Andhra Pradesh |
| J Draksayani                    | Andhra Pradesh | G Naga Bhushna Rao              | Andhra Pradesh | J KarunaKumari                  | Andhra Pradesh |
| P Venugopal Rao                 | Andhra Pradesh | D Chittemma                     | Andhra Pradesh | J Papa Rao                      | Andhra Pradesh |
| A Krishna Rao                   | Andhra Pradesh | J Sarada                        | Andhra Pradesh | S Samba Murty                   | Andhra Pradesh |
| M Ananda Rao                    | Andhra Pradesh | J Santamma                      | Andhra Pradesh | K Ramesh                        | Andhra Pradesh |
| G Satyavati                     | Andhra Pradesh | A Rupavathi                     | Andhra Pradesh | N Sujatha                       | Andhra Pradesh |
| M Verabhadryya                  | Andhra Pradesh | M Krishna Rao                   | Andhra Pradesh | A Sridevi                       | Andhra Pradesh |
| M Sivannarayana                 | Andhra Pradesh | B SitaRamayya                   | Andhra Pradesh | G Appala Raju                   | Andhra Pradesh |
| J Krishna Murty                 | Andhra Pradesh | L Lakshmi                       | Andhra Pradesh | M Suresh Babu                   | Andhra Pradesh |
| A Krishna Rao                   | Andhra Pradesh | D.V.Ratnam                      | Andhra Pradesh | G Suri Babu                     | Andhra Pradesh |
| B Venkatappa Rao                | Andhra Pradesh | B.VarabhadraSwamy               | Andhra Pradesh | A Mohana Rao                    | Andhra Pradesh |
| K Mohana Rao                    | Andhra Pradesh | D Krishna Rao                   | Andhra Pradesh | M Alivelu                       | Andhra Pradesh |
| K Appa Rao                      | Andhra Pradesh | M Srinivasa Rao                 | Andhra Pradesh | K Lakshmi                       | Andhra Pradesh |
| N Lakshmana Rao                 | Andhra Pradesh | G Narayana Rao                  | Andhra Pradesh |                                 |                |
| V Mokha Lingam                  | Andhra Pradesh | S Rajeshwari                    | Andhra Pradesh |                                 |                |

#### What is the estimated uptake of this qualification and what is the basis of this estimate?

The incremental human resource requirement between 2008 and 2022 is 0.7 million people under Textile Sector. This estimate has been drawn on basis of the NSDC report on Human Resource and Skill Requirements in Textiles Sector. Refer to Page 57: [Annexure 3](#)

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

**What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?**

QPs for Job Roles of various related SSC's were studied to ensure that there is no duplicity

**What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?**

The Qualification Pack has been developed based on stakeholder engagement through workshops held at various Knitting clusters and one on one discussions with core cluster stakeholders. The inputs and feedbacks given by them were incorporated while drafting the QP. The QP would be revised in six months (25<sup>th</sup> August, 2018) or before in case of any critical or necessary inputs received.

Please attach any documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

NSDC report on Human Resource and Skill Requirements in Textiles Sector – [Annexure 3](#)

# NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

## SECTION 4

### EVIDENCE OF PROGRESSION

**What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?**

Please refer to attached career path as per [Annexure 1](#) which clearly defines the career path. While designing the national occupational standards, occupational mapping was done on a large sample size and validated across the country. The career progression for roles in each occupation was also analyzed and decided, based on industry validation across the country. The current challenges faced by the industry, at large, was also kept in mind.

Please attach any documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

1. Career Path of Hand Operated Knitting Machine Operator (Circular & Flat) - [Annexure 1](#)
2. TSC/Q7304- [Annexure 2](#)
3. Skill gap report for textile sector – “NSDC report on Human Resource and Skill Requirements in Textiles Sector” - [Annexure 3](#)
4. Protocol-for-Accreditation-of-Assessment-Agencies-and-Assessment-Framework- [Annexure 4](#)
5. Format for EOI for AA Accreditation from TSC - [Annexure 5](#)

Further contact details and a copy of the validation are submitted both with NSDC and NSDA

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

### Annexure 1

The career progression is given in following link (Click on the icon to view career progression)



Hand operated  
Knitting machine oper

### Annexure 2

**QP Name –Hand Operated Knitting machine Operator (Circular & Flat)**



TSCQ7304\_Hand  
operated Knitting ma

**QP reference ID- TSC/Q7304 (click on the icon to view the QP)**

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

### Annexure 3

**Click the link - NSDC report on Human Resource and Skill Requirements in Textiles Sector.**



Skill Gap Analysis Report for Textile and Clothing Industry \_ Report on Human Resource and Skill Requirements in Textile and Clothing Sector.pdf

# NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

## Annexure 4

**Click on the icon to view – Protocol-for-Accreditation-of-Assessment-Agencies-and-Assessment-Framework**



protocol.pdf

## NSQF QUALIFICATION FILE GUIDANCE

Version 6: Draft of 08 March 2016

### Annexure 5

**Click on the icon to view – Format for EOI for AA Accreditation from TSC**



format for EOI for application as assessor to TSC.pdf

*This publication has been produced with the assistance of the European Union. The contents are the sole responsibility of the EU Skills Development Project and can in no way be taken to reflect the views of the European Union.*