

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)

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Name and contact details of individual dealing with the submission

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List of documents submitted in support of the Qualifications File

1. Career Map/ Progression of Circular loom operator (Shuttle type)- [Annexure 1](#)
2. QP TSC/Q8401- [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](#)

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SUMMARY

Qualification Title	Circular loom operator (Shuttle type)
Qualification Code	TSC/Q8401
Nature and purpose of the qualification	<p>This is a Qualification Pack (QP) containing National Occupational Standards for the job role - Circular loom operator (Shuttle type)</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>
Body/bodies which will award the qualification	Textile Sector Skill Council (Textile SSC)
Body which will accredit providers to offer courses leading to the qualification	Textile Sector Skill Council (Textile SSC)
Body/bodies which will carry out assessment of learners	<ul style="list-style-type: none"> • The Assessors Guilds • Cindrel Infotech Private Limited • Intouch Financial Services Pvt Ltd • PVR Skill Central Pvt Ltd.
Occupation(s) to which the qualification gives access	Weaving, Technical Textiles
Licensing requirements	N/A
Level of the qualification in the NSQF	Level - 4
Anticipated volume of training/learning required to complete the qualification	300hours
Entry requirements and/or recommendations	<p>Minimum Educational Qualifications - 10th Standard pass, preferably</p> <p>Experience–Not applicable</p> <p>Minimum Job Entry Age- 18 years</p>
Progression from the qualification	<p>This entry should refer to one or more of the following:</p> <ul style="list-style-type: none"> - access to other qualifications at the same NSQF level - NA - access to related qualification(s) at the next NSQF level- Annexure 1
Planned arrangements for the Recognition of Prior learning (RPL)	<p>Textile SSC is working along with Spinning 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>
International comparability where known	Not yet established
Date of planned review of the qualification.	09/08/20

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Formal structure of the qualification			
Title of component and identification code.	Mandatory/Optional	Estimated size (learning hours)	Level
Compulsory NOS			
TSC/N8401 Taking charge of shift and handing over shift to Circular loom (Shuttle type)	M	43	4
TSC/N8402 Running Circular loom (Shuttle type)	M	64	4
TSC/N8403 Undertake warp threading in Circular loom (Shuttle type)	M	21	4
TSC/N8404 Contribute quality weaving in Circular loom (Shuttle type)	M	43	4
TSC/N9011 Maintain work area and tools in raffia sector	M	43	4
TSC/N9012 Working in a team in in raffia sector	M	21	4
TSC/N9013 Maintain health, safety and security at workplace in raffia sector	M	43	4
TSC/N9014 Comply with work place requirements in raffia sector	M	21	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/Q8401– [Annexure 2](#)

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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

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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.

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CRITERIA FOR ASSESSMENT OF TRAINEES

<p>Job Role: Circular loom operator (Shuttle type)</p> <p>Qualification Pack: TSC/Q8401</p> <p>Sector Skill Council: Textile Sector Skill Council</p>
<p>Guidelines for Assessment:</p> <ol style="list-style-type: none"> 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 80% in aggregate marks to successfully clear the assessment 7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Compulsory :

Total Marks: 650	Compulsory NOS			Marks allocation		
	Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theroy	Practical Skills
TSC/N 8401 Taking Charge of Shift and handing over shift to Circular loom operator (Shuttle type)	PC1.	Come at least 10 - 15 minutes earlier to the work spot	100	10	4	6
	PC2.	Bring the necessary operational tools like "J Hook", "knife" etc		10	4	6
	PC3.	Check for the availability of the weft & the condition of the same		10	4	6
	PC4.	Enquire with the previous shift operator for running parameters of fabric such as PPM, Mesh, Denier etc		10	4	6
	PC5.	Ensure the correct parameters are showing on the loom display		10	4	6
	PC6.	Check the condition of the		10	4	6

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	running creels, for cross ends, ends pulling out particularly at the crease or side fold				
	PC7. Check the fabric for the running damages like end out, wrong winding, Side slippage, hole in fabric, weft catching, weft lashing in etc		10	4	6
	PC8. Check for the size of the fabric roll & to see whether any indication is there in the cloth rolls		10	4	6
	PC9. Check the cleanliness of the machines & other work areas		5	2	3
	PC10. Check whether any spare/raw material/ tool / fabric/ any other material is under the machines or in the other work areas		10	4	6
	PC11. Question the previous shift operator for any deviation		5	2	3
		Total	100	40	60
TSC/N 8402 Running Circular loom shuttle type	PC1. Do patrol of the allotted looms		10	4	6
	PC2. Check the signal lamp and identify the reason for loom stoppage		10	4	6
	PC3. Attend the loom for warp breakage		10	4	6
	PC4. Ensure the weavers/Spiral knot size is small with minimum tail end		10	4	6
	PC5. Draw the mended warp tape using J hook through Heald wire, Reed ring as per the drawing order		20	8	12
	PC6. Ensure the mended warp tape is passing through Creel Guide, Drop wire/ Tension rod, Maxi drug roller, Comb, Compensator, Heald wire, Reed ring	150	10	4	6

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	PC7. Replace with new Creel bobbin of the same denier for exhaust		10	4	6
	PC8. Attend the loom for weft breakage		10	4	6
	PC9. Ensure the weft tape is passing through shuttle guide, magnetic disc		20	8	12
	PC10. Replace with new weft bobbin of the same denier for weft exhaust		10	4	6
	PC11. Ensure the bobbin is fixed firmly inside the shuttle assembly		10	4	6
	PC12. Bring the insertion finger to the front centre to see that there is no gap between the round ceramic & the fell of the fabric.		10	4	6
	PC13. Run the loom by pressing inching		10	4	6
		Total	150	60	90
TSC/N 8403 Undertake warp threading in Circular loom (shuttle type)	PC1. Place the full bobbins in the creel stand		5	2	3
	PC2. Place the colour bobbin in their respective peg for production of coloured fabric (Check/Stripe fabric)		5	2	3
	PC3. Draw the tapes through their respective ceramic guides in creel stand and Drop wire/ Tension rod		5	2	3
	PC4. Draw the tapes through the Intake comb through Maxidrag roller in creel zone		3	1	2
	PC5. Draw the tapes through Water tray and sponge roller in creel zone		5	2	3
	PC6. Draw the tapes through small comb via guide rollers creel zone		5	2	3
	PC7. Draw the tapes through Eyelet bow and eyelet plate on loom		5	2	3

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	PC8. Draw the tapes through compensator	50	5	2	3
	PC9. Draw the tapes through heald wire and reed ring based on type of weave like Plain, Leno, Antiskid, Ventilated, etc.		5	2	3
	PC10. Draw the tapes through the weave ring and tie up with the previously formed fabric at fabric spreader bracket		2	1	1
	PC11. Run the loom by pressing inching		2	1	1
	PC12. Ensure the formed fabric as per required specification		3	1	2
		Total	50	20	30
TSC/N 8404 Contribute quality weaving in Circular loom (Shuttle type)	PC1. Ensure the running warp tape tension is in required level, adjust if required with the help of fitter	100	5	2	3
	PC2. Ensure the fabric tension at fabric winding zone is in required level, adjust if required with the help of fitter		5	2	3
	PC3. Ensure the proper working of take up proximity sensor, Magnetic sensor and Colour sensor		5	2	3
	PC4. Clean the colour sensor at regular intervals for better working		5	2	3
	PC5. Correct the fabric defects immediately like wrong drawing, wrong denting, end out, double end etc.		10	4	6
	PC6. Collect all the tape waste with the "waste bag" provided		5	2	3
	PC7. Ensure that all the stop motions, preventive mechanisms etc., function properly to avoid fabric defects		10	4	6

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	PC8. Double ends have to be removed should report to superiors for any deviation in the same & for any other quality issue		10	4	6
	PC9. Ensure the allotted looms are stopped for a minimum possible down time		10	4	6
	PC10. Check the fabrics for the defects at constant interval		5	2	3
	PC11. Check for the reasons for the frequent warp/ weft breaks and same has to be reported to the mechanics/ fitters/ superiors		10	4	6
	PC12. Report to the supervisor for defective bobbin package		10	4	6
	PC13. Report to the supervisor for fabric damage		10	4	6
		Total	100	40	60
TSC/N 9011 Maintain the work area, tools and machines at raffia sector	PC1. handle Polymer materials, machinery, equipment and tools with care and use them in proper way	100	10	4	6
	PC2. use correct lifting and handling procedures of Polymer bags, Tape bobbins etc.		10	4	6
	PC3. use materials to minimize waste of Polymer Granules, Tapes bobbins etc		10	4	6
	PC4. maintain a clean and hazard free working area inside the Tape plant and circular loom department		10	4	6
	PC5. ensure the maintenance are carried out within agreed schedules for Tape plant/ Circular looms		10	4	6
	PC6. carry out maintenance and/or cleaning within one's responsibility		10	4	6
	PC7. report unsafe conditions like Pressure deviation,		5	2	3

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	Temperature deviation and other dangerous occurrences to the fitter				
	PC8. ensure that the correct machine guards are in their place		5	2	3
	PC9. work in a comfortable position with the correct posture while handling Godet rollers, weaving ring etc.		5	2	3
	PC10. use cleaning equipment like brush, air compressor to clean the winding area, loom creels etc.		5	2	3
	PC11. Clean the quenching tank as per prescribed interval		5	2	3
	PC12. dispose of tape waste in the designated location/ bins		5	2	3
	PC13. store cleaning equipment at allotted place and close the air compressor valve safely after use		5	2	3
	PC14. carry out cleaning of machines according to schedules and limits of responsibility		2	1	1
	PC15. handle Polymer materials, machinery, equipment and tools with care and use them in proper way		3	1	2
		Total	100	40	60
TSC/N 9012 Working in a team in raffia sector	PC1. be accountable to the own role in whole process of Extruding/ Winding/ Weaving etc		5	2	3
	PC2. Perform your duty with full responsibility inside the tape plant/ circular loom department		3	1	2
	PC3. be effective and efficient to avoid the tape waste, Fabric waste etc		3	1	2
	PC4. properly communicate about company policies with colleagues		3	1	2

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	PC5. report all problems faced during the process with respective fitter, Spinning plant / Circular loom	50	5	2	3
	PC6. submit process log report of tape plant in your shift without fail		5	2	3
	PC7. submit daily report of own performance		5	2	3
	PC8. adjust in different work situations		5	2	3
	PC9. give due importance to others' point of view		5	2	3
	PC10. avoid conflicting situations		3	1	2
	PC11. develop new ideas for work procedures		5	2	3
	PC12. improve upon the existing techniques to increase process efficiency		3	1	2
		Total	50	19	31
TSC/N 9013 Maintain health, Safety and security at workplace in raffia sector	PC1. comply with health and safety related instructions applicable for the raffia sector	100	5	2	3
	PC2. use and maintain personal protective equipment such as "ear plug", "nose mask", "head cap" etc., as per protocol		5	2	3
	PC3. carry out the activities in extrusion line/ loom with approved guidelines and procedures		5	2	3
	PC4. Follow safety methods while handling Heating zones, Melt pump, Breaker plate etc		5	2	3
	PC5. Do not exceed the line speed/ Loom speed unsafe for existing condition		5	2	3
	PC6. identify and correct the malfunctions in winders, within limits of responsibility		5	2	3
	PC7. store raw materials and equipment in line with		5	2	3

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theroy	Practical Skills
	organisational requirements				
	PC8. report any service malfunctions that cannot be rectified		5	2	3
	PC9. store materials and equipment in line with organisational requirements		5	2	3
	PC10. safely handle the molten polymer, tapes as per approved protocols		5	2	3
	PC11. minimize health and safety risks to self and others due to own actions		5	2	3
	PC12. seek clarifications, from supervisors or other authorized personnel in case of perceived risks while handling with extruder/ winder/ loom		5	2	3
	PC13. monitor the workplace and work processes for potential risks and threat		5	2	3
	PC14. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		5	2	3
	PC15. report hazards and potential risks/ threats to supervisors or other authorized personnel inside the Extrusion/ Loom department		5	2	3
	PC16. participate in mock drills/ evacuation procedures organized at the workplace		5	2	3
	PC17. undertake first aid, fire-fighting and emergency response training, if asked to do so		5	2	3
	PC18. take action based on instructions in the event of fire, emergencies or accidents		3	1	2
	PC19. follow organisation procedures for shutdown of Tape plant/ loom and		2	1	1

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	PC20. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry		2	1	1
	PC21. recognise other possible security issues existing in the workplace		2	1	1
	PC22. recognise different measures to curb the hazards		2	1	1
	PC23. communicate the safety plan to colleagues/ trainee workers in the plant department		2	1	1
	PC24. attach disciplinary rules with the implementation		2	1	1
		Total	100	41	59
TSC/N 9014 Comply with industry and organizational requirements at raffia sector	PC1. perform own duties effectively in the raffia sector	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 to minimize the tape waste		5	2	3
	PC5. focus on self-learning and improvement within the various positions in raffia sector		4	1	3
	PC6. co-ordinate with all the team members and colleagues for effective information sharing		4	2	2
	PC7. communicate politely with co workers		4	2	2
	PC8. avoid conflicts and miscommunication		4	2	2
	PC9. know the organisational standards		4	2	2
	PC10. implement them in your performance		4	2	2

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Total Marks: 650	Compulsory NOS			Marks allocation	
Assessable Outcomes	Assessment Criteria	Total Marks	Out of	Theory	Practical Skills
	PC11. motivate others to follow them		2	1	1
	PC12. know the industry standards		2	1	1
	PC13. align them with organisation standards		2	1	1
		Total	50	22	28

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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

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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			

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OPTION B

Title/Name of qualification/component: Circular loom operator (Shuttle type)		Level: 4	
NSQF Domain	Key requirements of the job role	How the job role relates to the NSQF level descriptors	NSQF Level
Process	<p><u>Work is familiar, predictable and routine:</u></p> <ul style="list-style-type: none"> • identify and bring necessary tools for operation while coming for the shift • Check for the current running process parameters in the machine • Report and seek clarification from the superior for doubts and work orders • Keep the work area clean • Carry out the work based on limits of responsibility • use the specified tools/ equipment's for operation 	<p>As mentioned in the various performance criteria mentioned in the previous cell, the Circular loom operator (Shuttle type) works in familiar, predictable, and routine situation</p> <p>Hence NSQF Level is 4</p>	4
Professional knowledge	<p><u>Factual knowledge of the field:</u></p> <ul style="list-style-type: none"> • various types of tape material and denier LDPE, HDPE etc • types of fabric weaves, anti skid, ventilated etc. • knotting and threading procedure based on types of fabric weave • working principle of circular loom • fabric take off method • various maintenance methods and schedule • specification of major parts like shuttle, heddle, cam etc. 	<p>As mentioned in the various knowledge and understanding criteria mentioned in the previous cell, the Circular loom operator (Shuttle type) requires factual knowledge of field.</p> <p>Hence NSQF Level is 4</p>	4
Professional skill	<p><u>Recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool:</u></p> <ul style="list-style-type: none"> • ensure that the process parameters are machine are matching with the job card 	<p>As mentioned in the various performance criteria mentioned in the previous cell, the Circular loom operator (Shuttle type) is able to recall and demonstrate practical skill, routine and repetitive in narrow range of application, using appropriate rule and tool.</p>	4

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Title/Name of qualification/component: Circular loom operator (Shuttle type)		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"> adjust the machine speed based on raw material type and specification ensure that the size of the knotting is tiny ensure that the correct drawing of the warp based on type of weave ensure the correct passage of material while carry out warp threading ensure the correct passage of material for weft replenishment check and lubricate the parts whenever necessary within the limits of responsibility check for the doffing roll size and winding tension periodically 	Hence NSQF Level is 4	
Core skill	<p><u>Language to communicate written or oral, with required clarity, skill to basic arithmetic and algebraic principles:</u></p> <ul style="list-style-type: none"> write local or English language for recording production, quality related information, numbering, and maintenance of related information and materials, etc. communicate with co-workers appropriately talk effectively to convey information succinctly and unequivocally listen effectively and orally communicate information accurately ask for clarification and advice from others communicate politely standard Operating Procedures (SOP) and regulations in the cooperative society/NGO/SHG follow environment management system related procedures 	<p>As mentioned in the various performances, Knowledge and Skills criteria mentioned in the previous cell, the Circular loom operator (Shuttle type) is able to use language to communicate written or oral, with required clarity, and requires a basic arithmetic and algebraic principle skills.</p> <p>Hence NSQF Level is 4</p>	4

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Title/Name of qualification/component: Circular loom operator (Shuttle type)			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"> identify different kinds of possible hazards (environmental, personal, ergonomic and chemical) of the industry 		
Responsibility	<p>Responsibility for own work and learning:</p> <ul style="list-style-type: none"> own job role and responsibilities and sources for information pertaining to employment terms, compensation, job role and responsibilities plan and organize own work in a way that all activities are completed in time and as per specifications take responsibility for own actions carry out cleaning according to schedule and limits of responsibility focus on self-learning and improvement take initiative and innovate the existing methods plan and organize your work to achieve targets and deadlines undertake first aid, fire-fighting and emergency response training, if asked to do so take action based on instructions in the event of fire, emergencies or accidents plan and organize your work to achieve targets and deadlines 	<p>As mentioned in the various Points mentioned in the previous cell, the Circular loom operator (Shuttle type) demonstrates responsibility for own work and learning.</p> <p>All performance criteria mentioned in the Qualification Pack are responsibilities of an Circular loom operator (Shuttle type) however certain important PCs are depicted here.</p> <p>Hence NSQF Level is 4</p>	4

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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 Spinning 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

Sr. No	Name of Organisation	Location	Company Classification Small/ Medium/ Large
1	Mewar Polytex Ltd	Udaipur (Rajasthan)	Medium
2	Kanpur Plastipack Ltd	Kanpur (Uttar Pradesh)	Large
3	Adpack Limited	Kenya (Africa)	Small
4	Strong Pack Ltd	Zambia (Africa)	Medium
5	Sadhana Packaging Pvt Ltd	Jabalpur (Madhya Pradesh)	Medium
6	Tribhuvan Polymers Pvt Ltd	Surat (Gujarat)	Small
7	Shree Packaging	Amethi (Uttar Pradesh)	Medium
8	Shree Mahavir Ji Polyfab P Ltd	Kanpur (Uttar Pradesh)	Medium
9	Lohia Corp	Kanpur (Uttar Pradesh)	Large
10	Lohia Corp	Kanpur (Uttar Pradesh)	Large
11	Jai Shree Radhey Woven Sack	Panipat (Haryana)	Small
12	Mayur Woven Fab	Erode (Tamilnadu)	Medium
13	Manish Flexipack	Indore (Madhya Pradesh)	Small
14	Flexituff International Ltd	Kashipur (Uttarkhand)	Large
15	KPRG Plasto Industry	Midnapore (West Bengal)	Small
16	Enduma	Madagaskar (S A)	Medium
17	Mahakali Chandrapur Polytex	Chandrapur (Maharashtra)	Small
18	Baheti Industry Pvt Ltd	Kanpur (Uttar Pradesh)	Small
19	Divya Stone	Bangalore	Medium
20	Noir & Blanc	Hyderabad (Telangana)	Small
21	SPP Food Product Pvt Ltd	Rudrapur (Uttarkhand)	Medium
22	Prime Industries	Haridwar (Uttarkhand)	Small
23	Lavish Polyfab Pvt Ltd	Vadodara (Gujarat)	Medium
24	CAPZ Industries Pvt Ltd	Ahmednagar (Madhya Pradesh)	Small
25	Airen International Ltd	Ratlam (Madhya Pradesh)	Small
26	Union Quality Plastics Ltd	Valsad (Gujarat)	Small
27	R L Polyfab Pvt Ltd	Ahmedabad (Gujarat)	Small
28	Amacif Industries	Republic of Guinea (WA)	Small
29	AMS Teachest Industries	Coimbatore (Tamilnadu)	Small
30	Gia Loi	Vietnam	Medium

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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](#)

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 Textile 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 (25th 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](#)

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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 analysed 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 Circular loom operator (Shuttle type) - [Annexure 1](#)
2. Qualification Pack TSC/Q8401- [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

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Annexure 1

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



Opportunities for
progression_Loom.p

Annexure 2

QP Name – Circular loom operator (Shuttle type)



TSCQ8401_Circular
loom operator.pdf

QP reference ID- TSC/Q8401 (click on the icon to view the QP)

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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

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Annexure 4

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



protocol.pdf

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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

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