

Revised Application Documentation: Revision made by NSDA_25 May 2015

QUALIFICATION FILE – CONTACT DETAILS OF SUBMITTING BODY

Name and address of submitting body:

Textile & Handloom Sector Skill Council

6th Floor, Narnia Manzil, 23, Barakhamba Road, New Delhi – 110001

Name and contact details of individual dealing with the submission

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Position in the organisation: Director

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List of documents submitted in support of the Qualifications File

1. Career Map of Carding Operator- Annexure 1
2. QP TSC/Q 0102– Annexure 2
3. Format for EOI for AA Accreditation from TSC - Annexure 3
4. Protocol for Accreditation of Assessment Agencies and Assessment Framework – Annexure 4
5. Skill gap report for textile sector_2008-2022– Annexure 5

QUALIFICATION FILE SECTION 1

SUMMARY

Qualification Title	TSC/Q 0102 - Carding Operator
Body/bodies which will assess candidates	<ul style="list-style-type: none"> • Trendsetters Skill, Gurgaon • Mettl, Gurgaon • Base Research, Bhopal • Eduworld Consultants Bigskillindia, Mohali • Merittrac • C.K.Skills • India Skills Pvt. Ltd., New Delhi • Growwell Fincon, Hyderabad • Aspiring Minds, Gurgaon
Body/bodies which will award the certificate for the qualification:	Textile & Handloom Sector Skill Council (TSC)
Body which will accredit providers to offer the qualification.	Textile & Handloom Sector Skill Council (TSC)
Occupation(s) to which the qualification gives access	Carding Operator
Proposed level of the qualification in the NSQF.	Level – 4
Anticipated volume of training/learning required to complete the qualification.	208 Hours
Entry requirements / recommendations.	Preferable Qualification shall be 5 th Pass with 1-2 years' experience in a Textile Mill.
Minimum age	14 Years
Progression from the qualification.	Carding Assistant Fitter
Planned arrangements for RPL.	<p>Textile SSC is working along with textile 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 as NSDC is yet to notify its guidelines on the same and once the requisite guidelines are shared, TSC shall prepare on the same lines.</p>
International comparability where known.	<p>Attempt was made to understand the international standards followed under this qualification pack. The principles of the European, Australian and Canadian NOSs were followed but there was no exact qualification pack found for Carding Operator. Canadian NOS covers in parts Textile Industry but Carding Operator has not been kept as a different job role. It is important to note that most of these countries who have defined NOS do not have a very large textile industry.</p> <p>However numeracy, literacy and basic science levels have been considered during the preparation of NOS in order to match with the existing Indian industry requirements. It is also to be noted that a large section of this industry having fulfilled the stringent export norms, justifies the</p>

<p>standardisation of such a qualification pack</p> <p>The source of this comparison has been based on the desk research and TSC would undertake evaluation of the same through other suggested modes.</p>			
Formal structure of the qualification			
Title of unit or other component (include any identification code used)	Mandatory/	Estimated size	Level
	Optional	(learning hours)	
TSC/ N0104 Taking charge of shift and handing over shift to Calendaring Machine Operator	Mandatory	32	4
TSC/ N0105 Operating the carding machine	Mandatory	48	4
TSC/ N0106 Piecing the sliver and doffing the sliver can in card	Mandatory	48	4
TSC/N9001 Maintain work area, tools and machines	Mandatory	16	4
TSC/ N9002 Working in a team	Mandatory	16	4
TSC/N9003 Maintain health, safety and security at workplace	Mandatory	32	4
TSC/N9004 Comply with industry and organizational requirement	Mandatory	16	4

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

Give details of the document here:

1. QP TSC/Q 0102 – Annexure 2

QUALIFICATION FILE SECTION 1

ASSESSMENT

Body or Bodies which will carry out assessment:

- a) Trendsetters Skill, Gurgaon
- b) Mettl, Gurgaon
- c) Base Research, Bhopal
- d) Eduworld Consultants Bigskillindia, Mohali
- e) Merittrac
- f) C.K.Skills
- g) India Skills Pvt. Ltd., New Delhi
- h) Growwell Fincon, Hyderabad
- i) Aspiring Minds, Gurgaon

These assessing agencies have been chosen through a transparent process after thorough scrutiny of the credentials presented in response to the RFP. All of them have prior experience of carrying out similar assessments for other SSCs in the past and have presented their assessment methodology that details the assessor identification methodology. The assessing Agencies were relatively graded and then those which qualified were allotted regions. The exercise was done by C3A- committee for Affiliation, Accreditation and Assessment comprising of industry experts.

Will the assessment body be responsible for RPL assessment?

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 Carding Operator 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 assessors guide developed by the Subject Matter Expert of the assessment agency or by Textile SSC 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 Textile SSC Protocol for Accreditation of Assessment Agencies and Assessment Framework.

All accredited Assessment Agency follow the "Textile SSC 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 details of the document(s) here:

1. Format for EOI for AA Accreditation from TSC - Annexure 3
2. Protocol for Accreditation of Assessment Agencies and Assessment Framework – Annexure 4

ASSESSMENT EVIDENCE

Complete a grid for each grouping of NOS, assessment unit or other component as listed in the entry on the structure of the qualification on page 1.

Title of NOS/Unit/Component 1:TSC/0104: Taking charge of shift and handing over shift to Calendaring Machine Operator

Job Role: Carding Operator
Qualification Pack: Carding Operator
Sector Skill Council: Textile & Handloom 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 & skill practical for each PC.
2. The assessment for the theory part will be based on knowledge bank of question created by the SSC.
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on these criteria.
5. To pass the qualification pack, every trainee should score a minimum of 80%.
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

National Occupational Standards (NOS)	Performance Criteria (PC)	Total Marks	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
1. TSC/N0104 (Taking charge of shift and handing over shift to Calendaring Machine Operator)	PC1. come at least 10 - 15 minutes earlier to the work spot	100	3	1	1	1
	PC2. bring the necessary operational tools to the department		4	1	2	1
	PC3. meet the previous shift operator and discuss with him/ her regarding the issues faced by them with respect to the quality or production or spare or safety or any other specific instruction etc.		7	3	2	2
	PC4. understand the count produced, colour coding, followed in the carding for his allocated number of machines		7	3	2	2
	PC5. ensure the technical details are mentioned in the display board in the card		4	2	1	1
	PC6. check for the availability of the empty sliver cans		4	1	2	1
	PC7. ensure all the cards are running properly and problems if any should be clarified with the supervisor and operator, idle machines should be enquired for the reason for stoppage and report to the superiors regarding the same		3	1	1	1

PC8. ensure proper functioning of card machine parts	5	2	2	1
PC9. check the cleanliness of the machines & other work areas	4	1	2	1
PC10. Check whether any spare/raw material/ tool / yarn / any other material are thrown under the machines or in the other work areas.	4	1	2	1
PC11. Should question the previous shift operator for any deviation in the above and should bring the same to the knowledge of his/ her shift superior as well that of the previous shift as well.	4	2	1	1
PC12. ensure the wastes collection boxes are empty while taking charge of shift	4	1	2	1
PC13. ensure the work spot is clean	3	1	1	1
PC14. hand over the shift to the incoming shift operator in a proper manner	5	2	2	1
PC15. ensure in providing the details regarding count produced, colour coding followed in the carding for his allocated number of machines	7	3	2	2
PC16. provide all relevant information regarding the count produced, idle machines, damaged machine parts if any	7	3	2	2
PC17. get clearance from the incoming counterpart before leaving the work spot	5	2	1	2
PC18. report to his/ her shift superiors as well as that of the incoming shift operator in case his/ her counterpart doesn't report for the incoming shift	5	2	1	2
PC19. ensure the shift has to be properly handed over to the incoming shift operator	4	1	2	1
PC20. report to his/ her shift superior about the quality / production / safety issues/ any other issue faced in his/her shift and should leave the department only after getting concurrence for the same from his/ her superiors	4	1	1	2
PC21. collect the wastes from waste collection bags, weigh them and transport to storage area	4	2	2	0
PC22. ensure the work spot is clean	3	1	1	1
Total	100	37	35	28
Weightage %		37%	35%	28%

2. TSC/N0105(Operating a carding machine)	PC1. start the machine	150	3	1	1	1
	PC2. operate the control switches for starting and stopping the card		4	1	2	1
	PC3. follow the different signal lamps used in machines		3	1	1	1
	PC4. ensure proper functioning of card by verifying in the display panel		6	2	2	2
	PC5. check whether the cotton is proper fed in the carding machine via chute feed system		4	1	2	1
	PC6. piece the sliver during breakage		6	2	2	2
	PC7. doff the full sliver can		6	2	2	2
	PC8. view the display panel and identify the reasons for machine stoppages if any		5	2	2	1
	PC9. ensure the card is running in the set speed by viewing the display panel		4	1	2	1
	PC10. ensure the working area is clean		4	1	2	1
	PC11. ensure proper functioning of machine		5	2	2	1
	PC12. ensure the sliver produced is free from surface damages		5	2	2	1
	PC13. clean the wastes in the carding department		4	1	2	1
	PC14. segregate the wastes collected and deposit at the waste bins		4	1	2	1
	PC15. remove the defect in slivers		5	2	2	1
	PC16. support the mechanic while carryout cleaning maintenance activities		4	1	2	1
	PC17. use proper tools for cleaning		4	1	2	1
	PC18. ensure safety while carrying out cleaning		4	1	2	1
	PC19. ensure the wastes collected are deposited in the respective waste box		4	1	2	1
	PC20. ensure carding area is clean		4	1	2	1
	PC21. ensure the chute feed is working properly and cotton is uniformly fed into card		4	1	2	1
	PC22. support the fitter for carrying out maintenance activities		3	1	1	1
	PC23. Ensure the draft variation on CV% is within the limits and if it's abnormal report it to superiors.		4	2	1	1
	PC24. inform the supervisor and maintenance in charge in case of a jam		4	1	2	1
	PC25. support the fitter during minor		4	1	2	1

	breakdown					
	PC26. ensure proper material handling of sliver, sliver can and empty can		4	1	2	1
	PC27. ensure using proper material handling of tools and equipments		3	1	1	1
	PC28. ensure safety while operating the card		5	2	2	1
	PC29. use safety gadgets like caps, masks and shoes and verifying the safety stop motions		4	1	2	1
	PC30. ensure the sliver produced is free from outside damages		4	1	2	1
	PC31. collected usable waste to be weighed at shift end and to be placed in the specified area		4	1	2	1
	PC32. inform superiors immediately, if any break down or fault in the machine is noticed		4	1	2	1
	PC33. ensure the proper functioning of signal lamps		3	1	1	1
	PC34. ensure that machine is always working properly, if any deviations inform superiors immediately		4	1	2	1
	PC35. collect the reusable wastes in card and weigh them at shift end and place them in specified area		4	1	2	1
	PC36. Provide all relevant information's of the current working process to the next shift operator before relieving.		4	1	2	1
	Total		150	45	66	39
	Weightage %			30%	44%	26%
3.		150				
TSC/N0106(Piecing the sliver and doffing the sliver can in card)	PC1. identify whether the machine stoppage by viewing the signal lamps and in display panel		5	2	2	1
	PC2. identify the reasons for sliver breakage		6	2	2	2
	PC3. ensure minimum time is taken for attending the sliver breakage in carding department		4	1	2	1
	PC4. open the calendaring zone of card using control switches		4	1	2	1
	PC5. collect the web from calendaring zone and condense through the calendaring rollers and trumpets for sliver formation		6	2	3	1
	PC6. ensure proper piecing		7	2	3	2

PC7. draw the sliver through the conveyor rollers and pass it through the coiler rollers in delivery zone into the sliver can	7	2	3	2
PC8. ensure proper functioning of card post piecing	6	2	2	2
PC9. collect the wastes collected during piecing and store the waste at respective waste box	6	2	2	2
PC10. segregate the reusable wastes and weigh and record them in a register	5	2	2	1
PC11. transfer the reusable wastes to carding	4	1	2	1
PC12. ensure standard piecing procedure is adopted and quality of piecing is as per standards	6	2	3	1
PC13. ensure minimum time is taken for piecing the sliver	5	2	2	1
PC14. ensure safety while carrying out piecing activity	4	1	2	1
PC15. verify the quality of piecing done in the sliver	5	2	2	1
PC16. ensure sliver tension in the creeling section is appropriate	5	2	2	1
PC17. ensure proper functioning of the machine	4	1	2	1
PC18. collect the empty cans from combing preparatory or drawing department for feeding the empty cans in card	4	1	2	1
PC19. keep the can castors clean before putting to the card	4	1	2	1
PC20. ensure whether the sliver can is ready for doffing by viewing the details in display panel	4	1	2	1
PC21. keep the empty cans at coiler for automatic can change	4	1	2	1
PC22. keep the empty sliver can near the doffing machine in manual doffing	4	1	2	1
PC23. doff the full sliver can in case of manual doffing	5	1	3	1
PC24. ensure proper doffing procedure is followed	7	2	4	1
PC25. ensure doffing is carried out properly in auto doffing	6	2	3	1
PC26. move the sliver can to storage area	4	1	2	1
PC27. ensure the card is properly restarted after doffing	5	2	2	1
PC28. ensure proper functioning of	5	2	2	1

	card post doffing					
	PC29. ensure proper material handling of sliver, sliver can and empty can		4	1	2	1
	PC30. ensure proper material handling of tools and equipments		5	2	2	1
	Total		150	47	68	35
	Weightage %			31%	45%	23%
4.TSC/N9001(Maintaining work area, tools and machines)						
	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	50	4	1	2	1
	PC2. use correct lifting and handling procedures		4	1	2	1
	PC3. use materials to minimize waste		3	1	1	1
	PC4. maintain a clean and hazard free working area		3	1	1	1
	PC5. maintain tools and equipment		4	2	1	1
	PC6. carry out running maintenance within agreed schedules		4	1	2	1
	PC7. carry out maintenance and/or cleaning within one's responsibility		4	1	2	1
	PC8. report unsafe equipment and other dangerous occurrences		4	1	2	1
	PC9. ensure that the correct machine guards are in place		3	1	1	1
	PC10. work in a comfortable position with the correct posture		3	1	1	1
	PC11. use cleaning equipment and methods appropriate for the work to be carried out		3	1	1	1
	PC12. dispose of waste safely in the designated location		4	1	2	1
	PC13. store cleaning equipment safely after use		3	1	1	1
	PC14. carry out cleaning according to schedules and limits of responsibility		4	1	2	1
	Total		50	15	21	14
	Weightage%			30%	42%	28%
5.TSC/N9002 (Working in a team)						
	PC1. be accountable to the own role in whole process	50	4	2	1	1
	PC2. perform all roles with full responsibility		4	2	1	1
	PC3. be effective and efficient at workplace		4	1	2	1
	PC4. properly communicate about company policies		4	1	1	2
	PC5. report all problems faced during		4	1	1	2

	the process					
	PC6. talk politely with other team members and colleagues		4	1	1	2
	PC7. submit daily report of own performance		5	2	2	1
	PC8. adjust in different work situations		3	1	1	1
	PC9. give due importance to others' point of view		3	1	1	1
	PC10. avoid conflicting situations		3	1	1	1
	PC11. collaborate with colleagues performing the pre-required and post-required duty of carding tenter		4	2	1	1
	PC12. develop new ideas for work procedures		4	1	2	1
	PC13. improve upon the existing techniques to increase process efficiency		4	1	2	1
	Total		50	17	17	16
	Weightage %			34%	34%	32%
6.TSC/N9003 (Maintain health, safety and security at work place)						
	PC1. comply with health and safety related instructions applicable to the workplace	100	5	2	2	1
	PC2. use and maintain personal protective equipment such as " ear plug" " nose mask " " head cap" etc., as per protocol		5	2	2	1
	PC3. carry out own activities in line with approved guidelines and procedures		4	2	1	1
	PC4. maintain a healthy lifestyle and guard against dependency on intoxicants		4	2	1	1
	PC5. follow environment management system related procedures		4	2	1	1
	PC6. identify and correct (if possible) malfunctions in machinery and equipment		4	2	2	0
	PC7. report any service malfunctions that cannot be rectified		4	2	1	1
	PC8. store materials and equipment in line with organizational requirements		4	1	2	1
	PC9. safely handle and remove waste		4	1	2	1
	PC10. minimize health and safety risks to self and others due to own actions		5	2	2	1
	PC11. seek clarifications, from supervisors or other authorized personnel in case of perceived risks		4	2	0	2

	PC12. monitor the workplace and work processes for potential risks and threat		4	2	2	0
	PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		4	2	2	0
	PC14. report hazards and potential risks/ threats to supervisors or other authorized personnel		4	1	2	1
	PC15. participate in mock drills/ evacuation procedures organized at the workplace		4	2	2	0
	PC16. undertake first aid, fire-fighting and emergency response training, if asked to do so		5	2	2	1
	PC17. take action based on instructions in the event of fire, emergencies or accidents		4	2	2	0
	PC18. follow organization procedures for shutdown and evacuation when required		4	2	1	1
	PC19. identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry		4	2	1	1
	PC20. recognize other possible security issues existing in the workplace		4	2	1	1
	PC21. recognize different measures to curb the hazards		4	2	1	1
	PC22. communicate the safety plan to everyone		4	2	1	1
	PC23. attach disciplinary rules with the implementation		4	2	1	1
	PC24. ensure that all revolving parts come to a halt before attending to the machine manually		4	2	2	0
	Total		100	45	36	19
	Weightage %			45%	36%	19%
7.TSC/N9004 (Comply with industry and organizational requirements)	PC1. perform own duties effectively	50	4	1	2	1
	PC2. take responsibility for own actions		4	1	2	1
	PC3. be accountable towards the job role and assigned duties		4	2	1	1
	PC4. take initiative and innovate the existing methods		3	1	1	1
	PC5. focus on self-learning and improvement		4	1	2	1
	PC6. co-ordinate with all the team members and colleagues		4	1	2	1

	PC7. communicate politely		4	1	1	2
	PC8. avoid conflicts and miscommunication		4	1	2	1
	PC9. know the organizational standards		4	2	1	1
	PC10. implement them in your performance		4	1	2	1
	PC11. motivate others to follow them		3	1	1	1
	PC12. know the industry standards		4	3	1	0
	PC13. align them with organization standards		4	2	1	1
	Total		50	18	19	13
	Weightage %			36%	38%	26%
Total			650	224	262	164
Grand Total			650			

SECTION 2

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 industry interactions facilitated from 20 workshops, 25 emails and 135 visits /one-on-one discussion conducted and interaction with 1000 representatives from different organizations all over the country. 21 Large scale industries, 17 Medium Size industries and 18 small industries were involved in the validation process to make the Qualification Packs viable to the current industry requirements.

List of industries involved in the Validation process for the QP – Carding Operator:

S No.	Large scale industries	Medium scale industries	Small scale industries
1.	Arvind Limited	Amaravathi Textiles Pvt. Ltd.	Ganesh Spintex
2.	DCM Textiles	Arun Spinning Mills	Raju Cotton Mills
3.	GTN Textiles-Udumalpet	Idupulapadu Cotton Mills Pvt. Ltd.	Koustubha Spinners Pvt. Ltd.
4.	Ranapolycot	Durga Polyesters Pvt. Ltd.	Hystan Spinning Mills
5.	RSWM Bhilwara	Mohan Spintex	Silver Spring Pvt. Ltd.
6.	Shir Jayavarthan Spinning Mills	NSL Textiles Edlapadu	Sri Kandha Spinners Pvt. Ltd.
7.	Sri Venkataram Spinners	Jayadevi Mills	B.V. Fabrics
8.	ETCO Denim	Rajaram Mills	Rugmini Ram Raghav Spinners
9.	TC Spinners	Raju Spinning Mills	Palani Vijay Cottspin Pvt. Ltd.
10.	Uma Spintex	SA Anandan Spinning Mills	Shivatex yarn Ltd
11.	Kejriwal Geotech Pvt. Ltd.	Sakku Spinning Mills Ltd.	PPS Spinning Mills
12.	Welspun	Senthur Textiles	AVR Textiles
13.	Cheema Spintex Ltd.	Shri Govindaraja Textiles	Sri Balaji Textiles
14.	Vardhaman Textiles	Shri Ramalinga Mills	Sri Murugar Mills
15.	Alps Industries	Siva Swati Textile Pvt. Ltd.	Abirami Spinning
16.	Winsome Textile Industries Ltd.	Sri Jayajyoti Textile Mills	Poomagal Threads
17.	Trident Group	Sri Sai Balaji Spintex Pvt Ltd.	Subramanar Spinning Mills
18.	National Industries Development Cooperatives Federation Ltd.		Raja Spinners

19.	Nitin Spinners		
20.	Pallava Textile Ltd.		
21.	Mafatlal Denim		
<p>What is the estimated uptake of this qualification and what is the basis of this estimate?</p> <p>The incremental Manpower Gap between 2008 and 2022 is 21667 under Carding Operator. This estimate has been drawn on basis of the NSDC report on skill requirement in Textiles & Clothing Sector (2013-2017, 2017-2022) and employee strength data collected during industry validation process. Refer Annexure 5.</p>			
<p>What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?</p> <p>QPs for Job Roles of various related SSC's were studied to ensure that there is no duplicity</p>			
<p>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?</p> <p>The comments, feedback and suggestions were collected through interaction with industry during September'14 to March'15. The same will be compiled and justifiable changes will be incorporated in the next/updated version of the QP. This QP is set to be revised post 01st March 2016.</p>			

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

Give details of the document(s) here:

1. Skill gap report for textile sector_2008-2022– Annexure 5

SECTION 3

SUMMARY EVIDENCE OF LEVEL

Summary of Direct Evidence:

Justify the NSQF level allocated to the QP by building upon the five descriptors of NSQF. Explain the reasons for allocating the level to the QP.

Generic NOS is/are linked to the overall authority attached to the job role.

Process required	Professional Knowledge	Professional Skills	Core Skills	Responsibility	Level
<p>A carding operator is responsible to carry out activities in the carding section as instructed by his supervisor and should be able to operate the carding machine, ensure proper feeding of material in chute/lap feed system, piece the sliver on breakage, and doff the cans and transport to the storage area. His job involves handling the machine in a predefined set of routine process but he is also takes care that the productivity and quality are maintained.</p>	<p>A carding operator needs to know the process flow and material flow in a textile mill, importance of carding and sliver formation, colour coding followed for different sliver hanks, different types of fibres, type of yarn, yarn count, yarn defects, sliver and sliver hank and signal lamps. Should also understand the functioning of different parts of carding machine and guidelines for operating it. Proper handing over shift and taking over shift is very important for continuance of the production. Also should follow SOP and safety standards maintained by the company.</p>	<p>This operator identifies the cause of a problem and reports to his supervisor to get it resolved, refers defects to the supervisor, seeks clarification on problems from others, applies good attention to details and checks that his work is complete & free of errors. Demonstrates repetitive skills like procedures for operating different material handling tools and equipments.</p>	<p>This operator writes clear and short sentences, makes daily work report, writes grievance complaint application, comprehends written instructions, communicates with the supervisor appropriately and talks to others to convey information effectively. Performs basic calculations required during the production process for quality and uninterrupted output. Knows and understands basic banking procedures like account opening, basic banking operations and savings.</p>	<p>This operator takes instructions from his supervisor, clarifies doubts regarding technical details and issues faced in quality or production during the previous shift and adheres to the instructions received and the company policies. He is responsible for operating the carding machine, piecing the sliver and doffing the sliver can in card and maintaining work area and tools by doing basic cleaning. Under the supervision of his supervisor this operator has the responsibility of carrying out his activities as specified and keep the machines running.</p>	4
Follows Level 4	Follows Level 4	Follows Level 4	Follows Level 4	Follows Level 4	Follows Level 4

OTHER EVIDENCE OF LEVEL [This need only be filled in where evidence other than primary outcomes was used to allocate a level] **(Optional)**

Summary of other evidence (if used):

SECTION 4

EVIDENCE OF RECOGNITION OR 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.

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

Give details of the document(s) here:

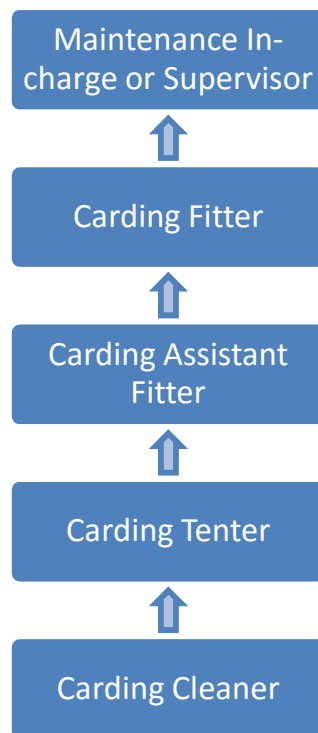
2. Career Path of Carding Operator - Annexure 1
3. QP TSC/Q 0102 - Annexure 2

Annexure 1

OM & Career Path

The career progression would be as follows:

1. Carding Cleaner
2. Carding Tenter
3. Carding Assistant Fitter
4. Carding Fitter
5. Maintenance In-charge or Supervisor



[Annexure 2- QP TSC/Q 0102](#)

Annexure 3 - Format for EOI for AA Accreditation from TSC

[Annexure 4- Protocol for Accreditation of Assessment Agencies and Assessment Framework](#)

[Annexure 5 - Skill gap report for textile sector 2008-2022](#)