

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**

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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 of Blowroom Operator- Annexure 1
2. QP TSC/Q 0101 – 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 0101 - Blowroom Operator
Body/bodies which will assess candidates	<ul style="list-style-type: none"> <li>• Trendsetters Skill, Gurgaon</li> <li>• Mettl, Gurgaon</li> <li>• Base Research, Bhopal</li> <li>• Eduworld Consultants Bigskillindia, Mohali</li> <li>• Merittrac</li> <li>• C.K.Skills</li> <li>• India Skills Pvt. Ltd., New Delhi</li> <li>• Growwell Fincon, Hyderabad</li> <li>• Aspiring Minds, Gurgaon</li> </ul>
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	Blowroom Operator
Proposed level of the qualification in the NSQF.	<b>Level – 4</b>
Anticipated volume of training/learning required to complete the qualification.	208 Hours
Entry requirements / recommendations.	Preferable Qualification shall be 5 <sup>th</sup> Pass with 1-2 years' experience in a textile Mill.
Minimum age	14 Years
Progression from the qualification.	Blowroom Fitter
Planned arrangements for RPL.	<p>TSC 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 Blowroom Operator. Canadian NOS covers in parts Textile Industry but Blowroom 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 standardisation of such a qualification pack</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.

<b>Formal structure of the qualification</b>			
<b>Title of unit or other component</b> (include any identification code used)	<b>Mandatory/ Optional</b>	<b>Estimated size (learning hours)</b>	<b>Level</b>
TSC/ N0101 Taking charge of shift and handing over shift to Blowroom Operator	Mandatory	28	4
TSC/N0102 (Operating Machines in blowroom)	Mandatory	55	4
TSC/N0103 (Tenting, cleaning and maintenance responsibilities in blowroom)	Mandatory	55	4
TSC/N9001 Maintain work area, tools and machines	Mandatory	14	4
TSC/ N9002 Working in a team	Mandatory	14	4
SC/N9003 Maintain health, safety and security at workplace	Mandatory	28	4
TSC/N9004 Comply with industry and organizational requirement	Mandatory	14	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 0101 – 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 Blowroom 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 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 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/N0101: Taking charge of shift and handing over shift to

Blowroom Operator.

<b>Job Role: Blowroom Operator</b> <b>Qualification Pack: Blowroom Operator</b> <b>Sector Skill Council: Textile &amp; Handloom Sector Skill Council</b>						
<b>Guidelines for assessment: -</b> 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/N0101(Taking charge of shift and handing over shift to Blowroom 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 mixing followed, count produced, followed in the blowroom for his allocated machines		7	3	2	2
	PC5. Ensure the technical details are mentioned in the display board in the blowroom machine		4	2	1	1
	PC6.					
	PC6. check the availability of bales with technical details mentioned regarding the type of cotton used for producing a particular type of yarn		4	1	2	1
	PC7. check the cotton tufts passage and proper transportation of cotton tufts to carding department via chute feed system		3	1	1	1

PC8. ensure proper functioning of blowroom machine parts and variations if any should be discussed with operator and reported to superiors	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. 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 blow room operator in a proper manner	5	2	2	1
PC15. ensure in providing the details regarding mixing followed, count produced, followed in the blowroom machines	7	3	2	2
PC16. provide all relevant information regarding the count produced, 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
	<b>Total</b>		<b>100</b>	<b>37</b>	<b>35</b>	<b>28</b>
	<b>Weightage %</b>			<b>37%</b>	<b>35%</b>	<b>28%</b>
<b>2.</b>						
<b>TSC/N0102(O</b>	PC1.ensure receipt of correct bales from bale godown storage area	<b>200</b>	6	2	3	1
<b>perating the</b>	PC2.lay the bales as per the plan given		6	2	3	1
<b>machines in</b>	PC3.open the bale hoops		6	4	2	0
<b>blowroom)</b>	PC4.remove covering cloth		5	3	2	0
	PC5.clean the sides of bales.		5	3	2	0
	PC6.ensure proper identification of the bales		6	2	3	1
	PC7.use proper material handling tools for transporting bales and opening the bales		5	2	2	1
	PC8.use proper cleaning equipments for cleaning the outer surface of the bales		7	2	3	2
	PC9.remove the bale strip properly.		4	2	2	0
	PC10.keep the bale strip at specified place after cleaning it and rolling it		4	1	2	1
	PC11.ensure proper material handling of tools and equipments		5	3	1	1
	PC12.start the sequence of machines in blowroom		6	2	3	1
	PC13.control the feed as per the requirement of the next machine		7	3	3	1
	PC14.ensure proper functioning of condensers		7	3	3	1
	PC15.ensure proper functioning of all the machines in blowroom department		6	2	3	1
	PC16.ensuring the proper functioning of machines, beaters and no chocking occurs in machines		5	2	2	1
	PC17.ensure the opened material is properly transported through all machines		6	2	3	1
	PC18.ensure the wastes are collected in the waste box of the machines		8	4	3	1
	PC19.follow the different signal lamps used in machines		6	2	3	1
	PC20.know the different control buttons and should know to operate the buttons on need basis		6	2	3	1
	PC21.ensure proper identification of the bales.		7	4	2	1



	PC22.take fiber uniformly from all bales and feed them in the lattice of bale opener evenly.		7	4	2	1
	PC23.ensure the fiber should be spread evenly throughout the lattice and it should not be fed in big lumps.		6	2	3	1
	PC24.ensure the material is not be fed over the height of the feed lattice.		6	2	3	1
	PC25.remove contaminations like metal particles, wooden pieces, jute threads, polypropylene twine, cloth pieces, oily or stained fiber, hair etc. while feeding the material on lattice.		7	2	3	2
	PC26.take maximum care when there is a mix change		7	3	3	1
	PC27.segregate the contaminations in the bales and keep them separately		7	4	2	1
	PC28.feed material and soft wastes in loose form also, if instructed		10	4	4	2
	PC29.ensure proper functioning of machine		6	2	3	1
	PC30.ensure proper handling material		7	2	3	2
	PC31.ensure safety while operating the machines in blowroom		7	4	2	1
	PC32.use of safety gadgets like caps, masks and shoes and verifying the safety stop motions		7	4	2	1
	<b>Total</b>		<b>200</b>	<b>85</b>	<b>83</b>	<b>32</b>
	<b>Weightage %</b>			<b>43%</b>	<b>42%</b>	<b>16%</b>
<b>3. TSC/N0103(Testing, cleaning and maintenance responsibilities in blowroom)</b>	PC1. follow the schedules for collecting the wastes at regular intervals	<b>200</b>	6	3	2	1
	PC2. remove contaminations in the side of bales		6	2	3	1
	PC3. clean the machine along with the maintenance person		6	2	3	1
	PC4. keep the machine surroundings always clean		6	2	2	2
	PC5. ensure the blowroom departments is clean and free from flies		6	2	3	1
	PC6. collect the waste from the centralized waste collection systems when it is full		6	2	3	1
	PC7. sort out the metal pieces from the material collected at EMA EAM system and deposit the good cotton in bags in trolley and laid in concerned		8	3	4	1

	mixing / specified area.					
	PC8. sort out the jammed cotton and deposit the good cotton in bags	6	2	3	1	
	PC9. ensure that the nylon bags for waste collection is not over filled or jammed	6	2	3	1	
	PC10. Make sure that cotton wastes are falling in respective bags.	6	2	2	2	
	PC11. Remove the cotton wastes from the filled bags in time.	6	2	3	1	
	PC12. transport the wastes to the allotted place for cleaning the contaminations	6	2	3	1	
	PC13. keep the waste area clean and avoid mix-up	6	2	3	1	
	PC14. transfer the wastes to waste godown	5	1	3	1	
	PC15. weigh the wastes and record in register	6	2	3	1	
	PC16. Oiling the different machines on need basis	5	2	2	1	
	PC17. Supporting the maintenance team during maintenance	6	2	3	1	
	PC18. Attend the respective machines whenever the alarm rings.	6	2	2	2	
	PC19. Report to respective Superiors / maintenance an officer about any machine is malfunctioning.	6	2	3	1	
	PC20. remove the jam if occurs in Metal scan and keep the waste in respective trolleys	7	2	4	1	
	PC21. ensure the smooth functioning of pre-filter to avoid any jam of filter	5	2	2	1	
	PC22. Attend minor break-downs and assist to restart the machine without any delay.	7	2	4	1	
	PC23. ensure smooth functioning of beaters and important machine parts in blowroom machines	6	3	2	1	
	PC24. come to the blowroom department 15 minutes before the shift commencement and collect information's regarding the current process in blowroom	5	2	2	1	
	PC25. See the function of the signal lamp and ensure that machine is always working properly, if any deviation inform superiors immediately	5	2	2	1	

	PC26. monitor the position of chambers at the time of assortment change in bale plucker		5	2	2	1
	PC27. monitor the plucking head during exhaustion time of assortment to avoid cotton jam on plucking head or insufficient material plucking from the assortment to avoid stoppage of cards		6	2	3	1
	PC28. ensure proper material transport in chutes		5	2	2	1
	PC29. ensure that the by-pass arrangements are appropriate for the mixing being processed		6	2	3	1
	PC30. assist carding tenter to start the machine with minimum possible time at the time of power failure and break-down		6	2	3	1
	PC31. ensure the proper functioning of signal lamps		5	2	2	1
	PC32. ensure that machine is always working properly, if any deviations inform superiors immediately		5	2	2	1
	PC33. check the ejection in Metal scan for last one hour and if any variation is noticed, inform superiors immediately		6	3	2	1
	PC34. check the respective lay-down and remove the bale or portion of the bale having more contamination and inform superiors ,if ejection of wastes are high		4	1	2	1
	PC 35. Provide all relevant information's of the current working process to the next shift operator before relieving.		3	1	2	0
	<b>Total</b>		<b>200</b>	<b>71</b>	<b>92</b>	<b>37</b>
	<b>Weightage %</b>			<b>36%</b>	<b>46%</b>	<b>19%</b>
<b>4.TSC/N9001( Maintaining work area, tools and machines)</b>	PC1. handle materials, machinery, equipment and tools with care and use them in the correct way	<b>50</b>	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		4	1	2	1

	cleaning within one's responsibility					
	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
	<b>Total</b>		50	15	21	14
	<b>Weightage %</b>			<b>30%</b>	<b>42%</b>	<b>28%</b>
<b>5.TSC/N9002 (Working in a team)</b>	PC1. be accountable to the own role in whole process	<b>50</b>	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 the process		4	1	1	2
	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 a blow room operator.		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
	<b>Total</b>		50	17	17	16
	<b>Weightage %</b>			<b>34%</b>	<b>34%</b>	<b>32%</b>

<b>6.TSC/N9003 (Maintain health, safety and security at work place)</b>	PC1. comply with health and safety related instructions applicable to the workplace	<b>100</b>	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		5	2	2	1
	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		5	2	2	1
	PC13. carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		5	2	2	1
	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		5	2	2	1
	PC18. follow organization procedures for shutdown and evacuation when required		4	2	1	1
	PC19. identify different kinds of possible hazards (environmental,		4	2	1	1

	personal, ergonomic, chemical) of the industry					
	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
	<b>Total</b>		100	43	34	23
	<b>Weightage %</b>			<b>43 %</b>	<b>34 %</b>	<b>23%</b>
<b>7.TSC/N9004 (Comply with industry and organizational requirements)</b>	PC1. perform own duties effectively	<b>50</b>	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
	<b>Total</b>		<b>50</b>	<b>18</b>	<b>19</b>	<b>13</b>
	<b>Weightage %</b>			<b>38%</b>	<b>40%</b>	<b>22%</b>
	<b>Total</b>		<b>750</b>	<b>286</b>	<b>301</b>	<b>163</b>
<b>Grand Total</b>			<b>750</b>			

## **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. 53 Large scale industries, 64 Medium Size industries and 61 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 – Blow Room Operator:**

<b>S No.</b>	<b>Large scale industries</b>	<b>Medium scale industries</b>	<b>Small scale industries</b>
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.	Subramaniam Spinning Mills
18.	National Industries Development Cooperatives Federation Ltd.		Raja Spinners
19.	Nitin Spinners		

20.	Pallava Textile Ltd.		
21.	Mafatlal Denim		
<p><b>What is the estimated uptake of this qualification and what is the basis of this estimate?</b></p> <p>The incremental Manpower Gap between 2008 and 2022 is 21667 under Blow Room Operator. This estimate has been drawn on basis of the NSDC report on skill requirement in Textiles &amp; Clothing Sector (2013-2017, 2017-2022) and employee strength data collected during industry validation process. Refer Annexure 5.</p>			
<p><b>What steps were taken to ensure that the qualification(s) does/do not duplicate already existing or planned qualifications in the NSQF?</b></p> <p>QPs for Job Roles of various related SSC's were studied to ensure that there is no duplicity</p>			
<p><b>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?</b></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 blowroom operator is responsible to carry out activities in the sequence of machines in blowroom department as per the instructions from his supervisor. This job requires the individual to have thorough knowledge of the process and functioning of the machines. It involves handling the machine in a predefined set of routine process but the operator also remains proactively involved in identification of problems, resolving issues related to defective machines, tools, materials &amp; equipments, maintaining quality at his level and, carrying out routine cleaning and maintenance activities to ensure that the productivity and quality are maintained.</p>	<p>A blowroom operator needs to know the process flow and material flow in a textile mill, functions and sequence of different machines in blow room department, importance of mixing, opening the bale hoops, removing covering cloth, cleaning, bale pucker, indenting from next machine and feed regulations. He should also Understand different types of fibres, types of yarn, yarn count, yarn defects, sliver and sliver hank. 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 &amp; free of errors. Demonstrates repetitive skills like procedure for operating different material handling tools and equipments. Also patrols around the blowroom department and identifies worn out or damaged machine parts and ensures proper functioning of machines in the blow room.</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 and clarifies doubts regarding technical details from the previous shift and adheres to the instructions received and the company policies. He is responsible for operating machines in blowroom, tenting and maintaining the work area and tools by doing basic cleaning. This operator works under the supervision of his supervisor but is responsible for his activities and for ensuring that the machines in the blow room are running smoothly.</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:

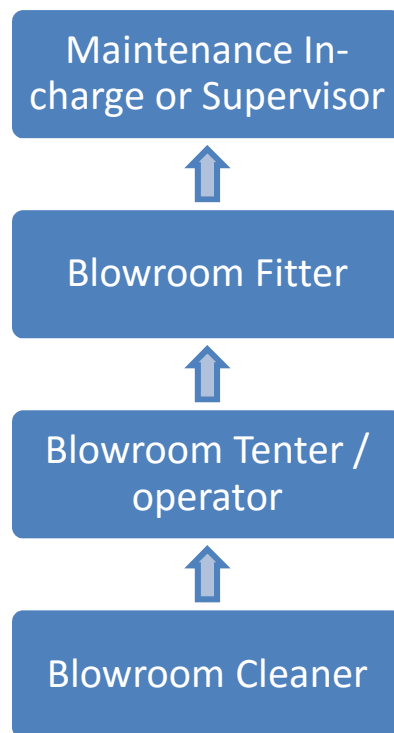
2. Career Path of Blow Room Operator - Annexure 1
3. QP TSC/Q 0101 - Annexure 2

## Annexure 1

### OM & Career Path

The career progression would be as follows:

1. Blowroom Cleaner
2. Blowroom Tenter / operator
3. Blowroom Fitter
4. Maintenance In-charge or Supervisor



[Annexure 2- QP TSC/Q 0101](#)

**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](#)