

NSQF QUALIFICATION FILE

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Apparel, Made-ups & Home Furnishing Sector Skill Council
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Name and contact details of individual dealing with the submission

Name: Mr. Amit Singh and Ms. Priya Mathur

Position in the organisation: Joint Director- Standards & QA, Deputy Director– Standards & QA

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List of documents submitted in support of the Qualifications File

1. Qualifications Pack – Annexure 1
2. Model Curriculum – Annexure 2
3. Affiliation Protocol- Annexure 3
4. Industry Validations- Annexure 4

Model Curriculum to be added which will include the following:

- Indicative list of tools/equipment to conduct the training
- Trainers qualification
- Lesson Plan
- Distribution of training duration into theory/practical component

SUMMARY

1	Qualification Title	Sewing Machine Operator
2	Qualification Code, if any	AMH/0301, V3.0
3	NCO code and occupation	NCO-2015/8153.0101
4	Nature and purpose of the qualification (Please specify whether qualification is short term or long term)	Nature of the qualification a Qualification Pack (QP) The main purpose of the qualification to train the incumbent to assess the functioning of the

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		incubation equipment and decide the specification of the setters.
5	Body/bodies which will award the qualification	Apparel, Made-ups & Home Furnishing Sector Skill Council (AMHSSC)
6	Body which will accredit providers to offer courses leading to the qualification	Apparel, Made-ups & Home Furnishing Sector Skill Council (AMHSSC)
7	Whether accreditation/affiliation norms are already in place or not, if applicable (if yes, attach a copy)	Yes (Annexure 3)
8	Occupation(s) to which the qualification gives access	Sewing
9	Job description of the occupation	A Sewing Machine Operator also called a Stitcher or Machinist is an important job-role associated with Apparel sector, Made-Ups and Home Furnishing Industry. The primary responsibility of a machinist is to stitch/ sew fabric panels, fur fabric panels, or synthetic materials to produce apparels or made up with desired quality.
10	Licensing requirements	NA
11	Statutory and Regulatory requirement of the relevant sector (documentary evidence to be provided)	NA
12	Level of the qualification in the NSQF	Level 3
13	Anticipated volume of training/learning required to complete the qualification	300 hours (Theory:90, Practical:210)
14	Indicative list of training tools required to deliver this qualification	Attached herewith
15	Entry requirements and/or recommendations and minimum age	<ul style="list-style-type: none"> • Grade 9 with No Experience (OR) • Grade 8 pass and pursuing

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		<p>continuous schooling in regular school with vocational subject with no experience (OR)</p> <ul style="list-style-type: none"> • 8th grade pass with 1 year of relevant experience <p>(OR)</p> <ul style="list-style-type: none"> • 5th grade pass with 4 years of relevant experience <p>(OR)</p> <ul style="list-style-type: none"> • Ability to read and write with 5 years of experience <p>Min. Age: 18 Years</p>
16	Progression from the qualification (Please show Professional and academic progression)	Specialized Sewing Machine Operator
17	Arrangements for the Recognition of Prior learning (RPL)	<p>RPL assessment will be as per normal AMHSSC assessment process. (AMHSSC recognizes that there may be candidates who have prior learning experience in the Apparel Sector and are desirous of being certified. Such candidates can apply to AMHSSC for testing and certification of their skills. Training Partners will be responsible for identifying and counselling candidates for RPL through mobilization camps and advertisements. The details of the RPL process have been defined by AMHSSC under the document-Guidelines for Recognition of Prior Learning under PMKVY).</p>
18	International comparability where known (research evidence to be provided)	Not done as yet
19	Date of planned review of the qualification.	29/10/2025
20	Formal structure of the qualification Mandatory components	

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	Title of component and identification code/NOSs/Learning outcomes	Mandatory/ Optional	Estimated size (learning hours)	Level
(i)	Introduction (Bridge Module and Soft Skills)	Mandatory	30	3
(ii)	AMH/N0102.Maintain work area, tools and machines	Mandatory	30	4
(iii)	AMH/N0103.Maintain health, safety and security requirement at work place with Gender and PwD Sensitization	Mandatory	30	4
(iv)	AMH/N0104.Comply with industry, regulatory and organizational requirements and Greening of Job roles	Mandatory	30	4
(v)	AMH/N0301.Carry out stitching activities using machine or by hand	Mandatory	120	3
(vi)	AMH/N0302.Contribute to achieve product quality in stitching operations	Mandatory	30	3
(vii)	Employability Skills	Mandatory	30	2
	Sub Total (A)		300	

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SECTION 1 **ASSESSMENT**

21	<p>Body/Bodies which will carry out assessment: AMHSSC affiliated assessment bodies.</p> <ol style="list-style-type: none">1. Navriti Technologies Pvt Ltd2. Skill Mantra3. Methods Apparel Consultancy India Pvt Ltd4. Fashion Futures5. Amrit Skills Development Pvt Ltd6. Assessors India LLP7. Eduvantage Pvt Ltd8. Career Point University <p>More Assessment Agencies are being empanelled to cover wider geographical area</p>
22	<p>How will RPL assessment be managed and who will carry it out? RPL will be based on the same approved Qualification Pack and Assessment Criteria mentioned in the Qualification Pack and will be carried out as per normal ASCI assessment process. The Training Partner or any other authority as prescribed by the Steering Committee will identify and counsel candidates eligible for RPL through mobilization camps and advertisements. The mobilized candidates can be counselled, oriented about the standardized NSQF framework and basis their existing competency will be mapped against the suitable level of the concerned Job role for assessments. The candidates enrolled will be assessed by the Assessment Agency affiliated with the Sector Skill Council on the basis of assessment criteria decided by Sector Skill Council (SSC). The candidate will need to pass in the minimum assessment criteria of a particular QP decided by the SSC. Successfully assessed candidates with a valid Aadhaar or alternate ID (as per process) will be eligible for QP-NOS based Certification.</p>
23	<p>Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.</p> <p>A robust technology enabled assessment methodology has been designed keeping in mind the geographical/Physical constraints and target segment which assess a trainee's knowledge and skill set through three methods:</p> <ol style="list-style-type: none">a. An offline Tablet based test through the use of Multiple-Choice Text and Picture based questions in vernacular languagesb. Actual demonstration on the fieldc. Viva <p>AMHSSC's assessment strategy:</p> <ul style="list-style-type: none">• Question sets are developed as per the weightage of each NOS of the Qualification Pack.

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	<ul style="list-style-type: none"> • Assessment criteria for each Qualification Pack developed, in which each Performance criteria (PC) assigned marks based on NOS • Question Bank is developed to assess the theoretical and practical knowledge. To ensure the quality, each trainee get different set of question • Empanelment of subject matter expert as assessor primarily from the Industry to assess trainee specifically on practical skills as per Industry demands <p>Assessments are preferably conducted on tablets or pen or papers in regional languages according to the requirement.</p>
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Please attach most relevant and recent 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.

ASSESSMENT EVIDENCE

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

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

24. Assessment evidences

Title of Component:

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
Maintain the work area, tools and machines	<p>PC1. Handle materials, machinery, equipment and tools safely and correctly to maintain a clean and hazard free working area</p> <p>PC2. Use correct lifting and handling procedures</p> <p>PC3. Use materials efficiently to minimize wastage and dispose off waste safely at the designated location.</p> <p>PC4. Carry out running maintenance and/or cleaning within one’s responsibility and agreed schedules</p> <p>PC5. Report any unsafe or damaged equipment and other dangerous occurrences to the authorized personnel</p> <p>PC6. Ensure that the correct machine guards are in</p>

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	<p>place</p> <p>PC7. Work in a comfortable position and maintain correct posture</p> <p>PC8. Use cleaning equipment and methods appropriate for the work to be carried out</p>
Means of assessment 1	Assessment online and Tab based
Means of assessment 2 Add boxes as required.	Offline Assessment(with equipment required)
Pass/Fail	

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
Hazards and potential risks associated with the process, guidelines for medical emergencies and evacuation process; gender & PwD sensitization	<p>PC1. Comply with health, safety gender and PwD (People with disability) related instructions applicable to the workplace.</p> <p>PC2. Actively participate in mock drills/evacuation procedures and group discussions related to a safe and secure work place.</p> <p>PC3. Training sensitization programs for gender and PwD awareness organized at the workplace.</p> <p>PC4. Use and maintain materials and equipment as per protocol.</p> <p>PC5. Capable to perform first-aid, firefighting or any other emergency response procedures and follow organization procedures for shutdown and evacuation when required</p> <p>PC6. Monitor the work place and processes for potential risks/ threats to supervisors or other authorized personnel and ensure gender equality and PwD (People with disability) security.</p>

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Means of assessment 1	Assessment online and Tab based
Means of assessment 2 Add boxes as required.	Offline Assessment(with equipment required)
Pass/Fail	

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
Comply with industry, and organizational requirements and greening of job roles	<p>PC1. Carry out work functions in accordance with organizational standards, greening solutions, procedures, policies, legislation and regulations.</p> <p>PC2. Apply and follow these policies and procedures within your work practices and inculcate sustainable consumption practices</p> <p>PC3. Actively get involved in improving the performance of the organization in line with their own role and responsibilities and support adaptation to more environmentally friendly processes.</p> <p>PC4. Handle materials, equipment, computer and software safely and correctly to maintain a clean and hazard free working area and support adaptation to more environmentally friendly processes</p> <p>PC5. Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules and Deal with work interruptions effectively.</p> <p>PC6. Report unsafe equipment and other dangerous occurrences to concerned personnel</p> <p>PC7. Use cleaning equipment and methods appropriate for the work to be carried out</p> <p>PC8. Request for upgrading of system or software when required for effective working and maintain a backup file when working on various design software</p> <p>PC9. All soft copies of design work to be maintained in</p>

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	files as well for future reference
Means of assessment 1	Assessment online and Tab based
Means of assessment 2 Add boxes as required.	Offline Assessment(with equipment required)
Pass/Fail	

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
<ul style="list-style-type: none"> • Prepare for stitching operations • Stitch components to produce apparels 	<p>PC1. Make sure the work area is free from hazards</p> <p>PC2. Follow the instructions on the work ticket/ job card in line with the responsibilities of respective operation</p> <p>PC3. Ask questions to obtain more information on tasks when the instructions are unclear</p> <p>PC4. Agree and review your work targets given by your supervisor and check for special instructions, if any required</p> <p>PC5. Use the correct Patterns and work-aids</p> <p>PC6. Check that machine is safe and set up in readiness for use</p> <p>PC7. Select the correct component parts and correct fabric grain line for the style being worked on.</p> <p>PC8. Check that the materials to be used as per desired quality and defect free</p> <p>PC9. Ensure the materials used meet the specification matching: -1 within a product.2. between a pair of products where applicable</p> <p>PC10. Carry out test sewing to ensure defect free stitching.</p> <p>PC11. Check needles, and threads regularly</p> <p>PC12. Check if fabric / component is correctly marked and pieces cut as required for operation</p> <p>PC13. Fabric pieces and linings are pinned or</p>

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	<p>sewn together as required.</p> <p>PC14. Report and repair faults in the stitched component</p> <p>PC15. Comply with the company quality standards</p> <p>PC16. Report any damaged in cut panel or fabric to supervisor or quality Checker.</p> <p>PC17. Follow company reporting procedures about defective material and machines which affect work and report risks/ problems likely to affect services to the relevant person promptly and accurately</p> <p>PC18. Sort and do work to assist the next stage of production and minimize the risk of damage</p> <p>PC19. Leave work area safe and secure when work is complete and clean the machine and cover it with machine cover before you leave</p> <p>PC20. Complete forms, records and other documentation as instructed by supervisor or Quality Checker</p> <p>PC21. Examine the specific operation and stitch the component as directed or required as per approved sample</p> <p>PC22. Carry out the sewing process within the estimated length of time.</p> <p>PC23. Set up machine (Apparel Sewing machine) according to manufacturer's instructions and production requirements</p> <p>PC24. Set thread tension as per the thickness of stitching thread and sewing fabric cut panel</p> <p>PC25. Cut the thread appropriately after completion of sewing operation</p> <p>PC26. Thread the needle in the machine and adjust the needle as per the requirements and whenever change in the fabric type.</p> <p>PC27. Perform a test sewing run to ensure appropriate stitching</p> <p>PC28. Report defective machines, tools and/or equipment to the responsible person</p> <p>PC29. Operate machines safely and in accordance with guidelines and use appropriate needle guard.</p> <p>PC30. Optimize the correct positioning and layout of materials to ensure a smooth and rapid throughput as directed</p> <p>PC31. Check the equipment prior to making the stitching, including: a) Correct tools b) Correct</p>
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	<p>attachments c) Changing needles d) Changing threads e) Changing awls f) Correct timing</p> <p>PC32. Stitch the correct materials in the right sequence as required by the production specification</p> <p>PC33. Ensure stitched product conforms to shape and size requirement</p> <p>PC34. Ensure stitched products meets specification in terms of labels and trims</p> <p>PC35. Inspect stitched products against specifications or sample provided.</p> <p>PC36. Identify mark and place rejects in the designated locations</p> <p>PC37. Carry out alterations to meet customer requirements</p> <p>PC38. Pass the stitched item to the next stage in the manufacturing process after Self checking.</p> <p>PC39. Rectify or repair where stitched items do not meet production specification</p> <p>PC40. Minimize and dispose the waste materials in the approved manner</p> <p>PC41. Seek feedback from team mates or supervisors and quality checkers on work related performance</p> <p>PC42. Check with in charge /others when any doubts of new product details or construction</p> <p>PC43. Clean and make safe machines after use and cover the machine with machine cover</p> <p>PC44. Carry out basic Autonomous maintenance (Cleaning, Oil Checking, Right Threading, Tightening any loose parts of own machines</p> <p>PC45. Report risks/ problems likely to affect quality of product or specification of product.</p> <p>PC46. Carry out Sewing at a rate which maintains workflow and meets production targets</p>
<p>Means of assessment 1</p>	<p>Assessment online and Tab based</p>
<p>Means of assessment 2 Add boxes as required.</p>	<p>Offline Assessment(with equipment required)</p>

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Pass/Fail

Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
<p>Contribute to achieving the product quality in stitching operations</p>	<p>PC1. Identify and use materials required based on the job card/ work ticket</p> <p>PC2. Take the necessary action when materials do not conform to company quality standards</p> <p>PC3. Report and replace identified faulty materials and component parts which do not meet specification or quality standards</p> <p>PC4. Identify defects and rework on them</p> <p>PC5. Carry out work safely and at a rate which maintains work flow</p> <p>PC6. Report to the responsible person when the work flow of other production areas disrupts work</p> <p>PC7. Test, sort, track feed and examine work in progress</p> <p>PC8. Carry out quality checks at specified intervals according to instructions</p> <p>PC9. Apply the allowed tolerances during sewing</p> <p>PC10. Identify faults and take appropriate action for rectification</p> <p>PC11. Make adjustments promptly to return product to specification</p> <p>PC12. Fault-find materials and components for creased, stained, damage and incorrectly made-up component parts</p> <p>PC13. Report faults in other processes to the appropriate person</p> <p>PC14. Maintain the required productivity and quality levels</p> <p>PC15. Maintain documentation as directed by supervisor</p>
<p>Means of assessment 1</p>	<p>Assessment online and Tab based</p>
<p>Means of assessment 2 Add boxes as required.</p>	<p>Offline Assessment(with equipment required)</p>
<p>Pass/Fail</p>	

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Outcomes to be assessed/NOSs to be assessed	Assessment criteria for the outcome
<ul style="list-style-type: none"> • Introduction to Employability Skills • Constitutional values - Citizenship • Becoming a Professional in the 21st Century • Basic English Skills • Communication Skills • Diversity & Inclusion • Financial and Legal Literacy • Essential Digital Skills • Entrepreneurship • Customer Service • Getting ready for apprenticeship & Jobs 	<p>Introduction to Employability Skills</p> <p>PC1. Understand the significance of employability skills in meeting the job requirements</p> <p>Constitutional values – Citizenship</p> <p>PC2. Identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.</p> <p>Becoming a Professional in the 21st Century</p> <p>PC3. Explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.</p> <p>Basic English Skills</p> <p>PC4. Speak with others using some basic English phrases or sentences</p> <p>Communication Skills</p> <p>PC5. Follow good manners while communicating with others</p> <p>PC6. Work with others in a team</p> <p>Diversity & Inclusion</p> <p>PC7. Communicate and behave appropriately with all genders and PwD</p> <p>PC8. Report any issues related to sexual harassment</p> <p>Financial and Legal Literacy</p> <p>PC9. Use various financial products and services safely and securely</p> <p>PC10. Calculate income, expenses, savings etc.</p> <p>PC11. Approach the concerned authorities for any exploitation as per legal rights and laws</p> <p>Essential Digital Skills</p> <p>PC12. Operate digital devices and use its features and applications securely and safely</p> <p>PC13. Use internet and social media platforms securely and safely</p> <p>Entrepreneurship</p> <p>PC14. Identify and assess opportunities for potential business</p> <p>PC15. Identify sources for arranging money and associated financial and legal challenges</p> <p>Customer Service</p>

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	<p>PC16. Identify different types of customers</p> <p>PC17. Identify customer needs and address them appropriately.</p> <p>PC18. Follow appropriate hygiene and grooming standards.</p> <p>Getting ready for apprenticeship & Jobs</p> <p>PC19. Create a basic biodata</p> <p>PC20. Search for suitable jobs and apply</p> <p>PC21. Identify and register apprenticeship opportunities as per requirement</p>
Means of assessment 1	Assessment online and Tab based
Means of assessment 2 Add boxes as required.	Offline Assessment(with equipment required)
Pass/Fail	

<u>Job Role:</u> Sewing Machine Operator
<u>Qualification Pack:</u> AMH/Q0301 v3.0
<u>Sector Skill Council:</u> Apparel, Made-ups & Home Furnishing Sector Skill Council (AMHSSC)
<p><u>Assessment Guidelines:</u></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. examination/training center (as per assessment criteria below) 4. Individual assessment agencies will create unique question papers for theory part for each candidate at each. 5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on these criteria. 6. To pass the Qualification Pack, every trainee should score a minimum of 70% aggregate in QP. 7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

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AMH/N0102: Maintain work area, tools and machines					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
		14	49	-	7
PC1	Handle materials, machinery, equipment and tools safely and correctly to maintain a clean and hazard free working area	2	5	-	1
PC2	Use correct lifting and handling procedures	2	5	-	1
PC3	Use materials efficiently to minimize wastage and dispose off waste safely at the designated location.	2	3	-	1
PC4	Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules	2	10	-	1
PC5	Report any unsafe or damaged equipment and other dangerous occurrences to the authorized personnel	2	3	-	0.5
PC6	Ensure that the correct machine guards are in place	2	3	-	1
PC7	Work in a comfortable position and maintain correct posture	1	10	-	0.5
PC8	Use cleaning equipment and methods appropriate for the work to be carried out	1	10	-	1
	NOS Total	14	49	-	7
AMH/N0103: Maintain health, safety and secure work place with Gender and PwD Sensitization					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
		22	12	-	6
PC1	Comply with health, safety gender and PwD (People with disability) related instructions applicable to the workplace.	4	2	-	1
PC2	Actively participate in mock drills/evacuation procedures and group discussions related to a safe and secure work place.	4	2	-	1
PC3	Training sensitization programs for gender and PwD awareness organized at the workplace.	4	2	-	1
PC4	Use and maintain materials and equipment as per protocol.	3	2	-	1
PC5	Capable to perform first-aid, firefighting or any other emergency response procedures and follow organization procedures for shutdown and evacuation when required	4	2	-	1

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PC6	Monitor the work place and processes for potential risks/ threats to supervisors or other authorized personnel and ensure gender equality and PwD (People with disability) security.	3	2	-	1
	NOS Total	22	12		6
AMH/N0104: Comply with industry, regulatory, organizational requirements and Greening of Job Roles					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
		20	10		10
PC1	Carry out work functions in accordance with organizational standards, greening solutions, procedures, policies, legislation and regulations.	2	1	-	1
PC2	Apply and follow these policies and procedures within your work practices and inculcate sustainable consumption practices	2	1	-	1
PC3	Actively get involved in improving the performance of the organization in line with their own role and responsibilities and support adaptation to more environmentally friendly processes.	2	1	-	1
PC4	Handle materials, equipment, computer and software safely and correctly to maintain a clean and hazard free working area and support adaptation to more environmentally friendly processes	3	2	-	2
PC5	Carry out running maintenance and/or cleaning within one's responsibility and agreed schedules and Deal with work interruptions effectively.	3	1	-	1
PC6	Report unsafe equipment and other dangerous occurrences to concerned personnel	2	1	-	1
PC7	Use cleaning equipment and methods appropriate for the work to be carried out	2	1	-	1
PC8	Request for upgrading of system or software when required for effective working and maintain a backup file when working on various design software	2	1	-	1
PC9	All soft copies of design work to be maintained in files as well for future reference	2	1	-	1
	NOS Total	20	10		10

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AMH/N0301: Carry out stitching activities using machine					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC1.	Make sure the work area is free from hazards	0.5	1	-	0.5
PC2	Follow the instructions on the work ticket/ job card in line with the responsibilities of respective operation	0.5	0.5	-	-
PC3.	Ask questions to obtain more information on tasks when the instructions are unclear	-	0.5	-	-
PC4.	Agree and review your work targets given by your supervisor and check for special instructions, if any required	-	0.5	-	-
PC5	Use the correct Patterns and work-aids	0.5	2	-	0.5
PC6	Check that machine is safe and set up in readiness for use	0.5	2	-	0.5
PC7	Select the correct component parts and correct fabric grain line for the style being worked on	1	2	-	0.5
PC8	Check that the materials to be used as per desired quality and defect free	1	2	-	0.5
PC9	Ensure the materials used meet the specification matching: -1 within a product.2. between a pair of products where applicable	0.5	2	-	0.5
PC10	Carry out test sewing to ensure defect free stitching.	-	3	-	0.5
PC11	Check needles, and threads regularly	0.5	2	-	0.5
PC12	Check if fabric / component is correctly marked and pieces cut as required for operation	1	2	-	-
PC13	Fabric pieces and linings are pinned or sewn together as required.	1	2	-	0.5
PC14	Report and repair faults in the stitched component	1	0.5	-	-
PC15	Comply with the company quality standards	0.5	2	-	0.5
PC16	Report any damaged in cut panel or fabric to supervisor or quality Checker.	0.5	0.5	-	0.5

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PC17	Follow company reporting procedures about defective material and machines which affect work and report risks/problems likely to affect services to the relevant person promptly and accurately	0.5	1	-	-
PC18	Sort and do work to assist the next stage of production and minimize the risk of damage	0.5	3	-	0.5
PC19	Leave work area safe and secure when work is complete and clean the machine and cover it with machine cover before you leave	-	5	-	0.5
PC20	Complete forms, records and other documentation as instructed by supervisor or Quality Checker	1	2	-	0.5
PC21	Examine the specific operation and stitch the component as directed or required as per approved sample	1	3	-	0.5
PC22	Carry out the sewing process within the estimated length of time.	0.5	1	-	-
PC23	Set up machine (Apparel Sewing machine) according to manufacturer's instructions and production requirements	2	2	-	0.5
PC24	Thread tension as per the thickness of stitching thread and sewing fabric cut panel	0.5	2	-	0.5
PC25	Cut the thread appropriately after completion of sewing operation	0.5	0.5	-	-
PC26	Thread the needle in the machine and adjust the needle as per the requirements and whenever change in the fabric type.	0.5	2	-	0.5
PC27	Perform a test sewing run to ensure appropriate stitching	0.5	2	-	-
PC28	Report defective machines, tools and/or equipment to the responsible person and/or equipment to the responsible person	0.5	1	-	0.5
PC29	Operate machines safely and in accordance with guidelines and use appropriate needle guard.	-	6	-	-

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PC30	Optimize the correct positioning and layout of materials to ensure a smooth and rapid throughput as directed	0.5	3	-	-
PC31	Check the equipment prior to making the stitching, including: a) Correct tools b) Correct attachments c) Changing needles d) Changing threads e) Changing awls f) Correct timing	2	5	-	0.5
PC32	Stitch the correct materials in the right sequence as required by the production specification	1	10	-	0.5
PC33	Ensure stitched product conforms to shape and size requirement	1	3	-	0.5
PC34	Ensure stitched products meets specification in terms of labels and trims	1	3	-	0.5
PC35	Inspect stitched products against specifications or sample provided.	1	3	-	0.5
PC36	Identify mark and place rejects in the designated locations	1	3	-	0.5
PC37	Carry out alterations to meet customer requirements	1	8	-	0.5
PC38	Pass the stitched item to the next stage in the manufacturing process after Self checking	0.5	0.5	-	-
PC39	Rectify or repair where stitched items do not meet production specification	0.5	0.5	-	-
PC40	Minimize and dispose the waste materials in the approved manner	0.5	0.5	-	0.5
PC41	Seek feedback from team mates or supervisors and quality checkers on work related performance	0.5	0.5	-	-
PC42	Check with in charge /others when any doubts of new product details or construction	1	0.5	-	0.5
PC43	Clean and make safe machines after use and cover the machine with machine cover	0.5	0.5	-	0.5
PC44	Carry out basic Autonomous maintenance (cleaning, Oil Checking,	0.5	2	-	-

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	Right Threading, Tightening any loose parts of own machines				
PC45	Report risks/ problems likely to affect quality of product or specification of product.	0.5	-	-	0.5
PC46	Carry out Sewing at a rate which maintains workflow and meets production targets	-	2	-	-
	NOS TOTAL	30	100	-	15
AMH/N0302: Contribute to achieve product quality in stitching operations					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
		20	75	-	10
PC1	Identify and use materials required based on the job card/ work ticket	1	5	-	1
PC2	Take the necessary action when materials do not conform to company quality standards	1	5	-	0.5
PC3	Report and replace identified faulty materials and component parts which do not meet specification or quality standards	2	5	-	0.5
PC4	Identify defects and rework on them	2	8	-	1
PC5	Carry out work safely and at a rate which maintains work flow	1	5	-	0.5
PC6	Report to the responsible person when the work flow of other production areas disrupts work	1	1	-	0.5
PC7	Test , sort, track feed and examine work in progress	1	5	-	0.5
PC8	Carry out quality checks at specified intervals according to instructions	2	5	-	0.5
PC9	Apply the allowed tolerances during sewing	1	2	-	0.5
PC10	Identify faults and take appropriate action for rectification	2	10	-	1
PC11	Make adjustments promptly to return product to specification	1	4	-	0.5
PC12	Fault-find materials and components for creased, stained, damage and incorrectly	1	6	-	1

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	made-up component parts				
PC13	Report faults in other processes to the appropriate person	1	1	-	0.5
PC14	Maintain the required productivity and quality levels	1	10	-	0.5
PC15	Maintain documentation as directed by supervisor	2	3	-	1
	NOS Total	20	75	-	10

NG-Lx-ES-00001-2022-v1-DGT: Employability Skills (30 Hours)					
PC	Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
	Introduction to Employability Skills	1	1	0	0
PC1	Understand the significance of employability skills in meeting the job requirements				
	Constitutional values – Citizenship	1	1	0	0
PC2	Identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices.				
	Becoming a Professional in the 21st Century	1	3	0	0
PC3	Explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.				
	Basic English Skills	2	3	0	0
PC4	Speak with others using some basic English phrases or sentences				
	Communication Skills	1	1	0	0
PC5	Follow good manners while communicating with others				
PC6	Work with others in a team				
	Diversity & Inclusion	1	1	0	0
PC7	Communicate and behave appropriately with all genders and PwD				
PC8	Report any issues related to sexual harassment				
	Financial and Legal Literacy	3	4	0	0
PC9	Use various financial products and				

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	services safely and securely				
PC10	Calculate income, expenses, savings etc.				
PC11	Approach the concerned authorities for any exploitation as per legal rights and laws				
	Essential Digital Skills	4	6	0	0
PC12	Operate digital devices and use its features and applications securely and safely				
PC13	Use internet and social media platforms securely and safely				
	Entrepreneurship	3	5	0	0
PC14	Identify and assess opportunities for potential business				
PC15	Identify sources for arranging money and associated financial and legal challenges				
	Customer Service	2	2	0	0
PC16	Identify different types of customers				
PC17	Identify customer needs and address them appropriately.				
PC18	Follow appropriate hygiene and grooming standards.				
	Getting ready for apprenticeship & Jobs	1	3	0	0
PC19	Create a basic biodata				
PC20	Search for suitable jobs and apply				
PC21	Identify and register apprenticeship opportunities as per requirement				

NSQF QUALIFICATION FILE

SECTION 2

25. EVIDENCE OF LEVEL

OPTION A

Title/ Name of qualification/ component:			Level: 3
NSQF Domain	Outcome of the Qualification/Component	How the outcomes relate to the NSQF level descriptors	NSQF Level
Process	<ul style="list-style-type: none"> • He is involved in setting up the machine for sewing purpose, carry out quality stitching operations using the machine and take care of certain preventive maintenance methods to maintain the sewing machine. • The sewing machine operators stitch various components of the garment as well as the final assembly stitching and are involved in all the sewing functions. Their work is routine based with a given production target. 	A sewing machine operator is responsible for operating the industrial sewing machine to stitch a garment, cushion covers, scarves etc.	3
Professional knowledge	<ul style="list-style-type: none"> • He should be aware of garment production process, stitches, SPI, seams, sewing machines, its parts and its functions. • He should have knowledge of various defects that can occur in the stitching and able to rectify them. • He should have the knowledge of fabrics, threads needles and other trims used. • He should also be aware of the 	The job holder is expected to have basic knowledge of hatchery welfare regulations, important hatchery management practices, poultry waste management techniques, organizational health and other safety regulations, cleaning routines applicable to bird species and other equipment.	3

NSQF QUALIFICATION FILE

	<p>technical terms associated with the garment</p>		
Professional skill	<ul style="list-style-type: none"> • He uses inspection methods appropriate to the work, identifies equipment parts and sets up the machine. • He carries out test sews on the sewing machine. • He identifies faults, its causes in the garments, applies the allowed tolerances in the garment components and can differentiate between correctable and non-correctable faults in stitches. • He raises alarm, identifies, reports malfunctions in machinery and equipment and corrects them if possible. • He also identifies and reports service malfunctions and chemical leaks • He keeps work area free from potential hazards. • He reports to supervisors and other authorized personnel for assistance. He should have good eyesight, eye- hand- leg coordination, motor skills and vision (including near vision, distance vision, colour vision, peripheral vision, depth perception and ability to change focus). 	<p>The job holder is expected to recall and demonstrate practical skill which is routine and repetitive in nature, and has a narrow range of application. Professional skills including: Decision making, Planning and Organising, Customer centricity, Problem solving, Analytical Thinking, Critical thinking.</p>	3
Core Skills	<ul style="list-style-type: none"> • He writes the required measurements 	<p>The job holder must have Core Skills which will</p>	3

NSQF QUALIFICATION FILE

	<p>where applicable, reads instructions, guidelines, procedures and rules of the company, techpack passed to him by his seniors.</p> <ul style="list-style-type: none"> • He asks for clarification and advice from line managers, communicate orally with colleagues • He refers anomalies to the line manager and seeks clarification on problems from others. He provides relevant information regarding garment construction and machine to others, analyzes needs, requirements and dependencies in order to meet work requirements. • He can read, write and communicate in local language. • He plans and manages his work routine based on company procedure. • He responds to emergencies, accidents or fire at the workplace and evacuates the premises and help others in need while doing so. • He values physical fitness, personal hygiene and good habits. 	<p>include: Writing Skills, Reading Skills, Oral and Communication (Listening and Speaking).</p>	
Responsibility	<ul style="list-style-type: none"> • He stitches the various garment components and can carry out the final assembly stitching of the garment. The sewing machine operator sets up his machine before he starts stitching and carries out test sews. • He can identify common faults in 	<p>A Sewing Machine Operator is responsible for operating the sewing machine to sew different kinds of stitches on fabric/garments in the apparel industry. A sewing machine operator is responsible for his own work.</p>	3

NSQF QUALIFICATION FILE

	<p>stitching and can rectify few of them.</p> <ul style="list-style-type: none"> • He reads, writes, communicates in local language with his colleagues. • He keeps work area free from potential hazards. • He reports to supervisors and other authorized personnel for assistance following the protocol and the rules of the organization. 		
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OPTION B

Title/ Name of qualification/ component:			Level: 3
NSQF Domain	Key requirements of the Job role	How the Job Roles related to the NSQF Level descriptors	NSQF Level
Process			
Professional knowledge			
Professional skill			
Core Skills			
Responsibility			

NSQF QUALIFICATION FILE

SECTION 3

EVIDENCE OF NEED

26	What evidence is there that the qualification is needed? What is the estimated uptake of this qualification and what is the basis of this estimate?											
Basis												
Need of the qualification	While collecting data from the companies for the occupational map, we also took feedback from industry, which was collected with respect to roles for which qualification packs development, was to be prioritized. This was largely based on volume of people required, quantitative and qualitative shortfall which the Industry feels they face.											
Industry Relevance	Governing council of AMHSSC gave final approval and endorsement for the same. The number of industries which validated the job role are 15. (Small – 5 , Medium – 5 and Large – 5)											
Usage of the qualification	<p>Skills Gap analysis Reports for industry demand and secondary research data, though these do not lend to accurate demand projection.</p> <ul style="list-style-type: none"> • Feedback from industry for demand though again sample size may not lend to accurate figures • Training duration, and current and potential training capacity envisaged • An LMIS development initiative is being put in place to be more precise regarding the demand and supply <p>The employment in clothing and textile industry will be 21.54 million by 2022 and there is an incremental human resource requirement of 6.31 % from the year 2013 till year 2022. Manufacturing of wearing apparels will require 4.58 million people by the year 2022.</p>											
Estimated uptake	<table border="1" data-bbox="440 1381 1414 1923"> <thead> <tr> <th data-bbox="440 1381 708 1524">QP/Job Role Name</th> <th data-bbox="708 1381 992 1524">"States where Demand exist</th> <th data-bbox="992 1381 1179 1524">"District where Demand exist</th> <th data-bbox="1179 1381 1414 1524">Projections for the next 3 years</th> </tr> </thead> <tbody> <tr> <td data-bbox="440 1524 708 1923">Sewing Machine Operator</td> <td data-bbox="708 1524 992 1923">AP,ASSAM,BIHAR ,CHATTISGARH, DADARA& NAGAR HAWALI,DELHI.G UGRATH,R,HARA YANA,HP,J&k,JH ARKHAND,KARN ATAKA,KERALA, MP,MARASTRA,O DISHA,PUDUCHE RRY,PUNJAB,RA</td> <td data-bbox="992 1524 1179 1923">AP,ASSAM, BIHAR,CHA TTISGARH, DADARA& NAGAR HAWALI,D ELHI.GUG RATH,R,HA RAYANA,H P,J&k,JHA RKHAND,K ARNATAKA</td> <td data-bbox="1179 1524 1414 1923">500000</td> </tr> </tbody> </table>				QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years	Sewing Machine Operator	AP,ASSAM,BIHAR ,CHATTISGARH, DADARA& NAGAR HAWALI,DELHI.G UGRATH,R,HARA YANA,HP,J&k,JH ARKHAND,KARN ATAKA,KERALA, MP,MARASTRA,O DISHA,PUDUCHE RRY,PUNJAB,RA	AP,ASSAM, BIHAR,CHA TTISGARH, DADARA& NAGAR HAWALI,D ELHI.GUG RATH,R,HA RAYANA,H P,J&k,JHA RKHAND,K ARNATAKA	500000
QP/Job Role Name	"States where Demand exist	"District where Demand exist	Projections for the next 3 years									
Sewing Machine Operator	AP,ASSAM,BIHAR ,CHATTISGARH, DADARA& NAGAR HAWALI,DELHI.G UGRATH,R,HARA YANA,HP,J&k,JH ARKHAND,KARN ATAKA,KERALA, MP,MARASTRA,O DISHA,PUDUCHE RRY,PUNJAB,RA	AP,ASSAM, BIHAR,CHA TTISGARH, DADARA& NAGAR HAWALI,D ELHI.GUG RATH,R,HA RAYANA,H P,J&k,JHA RKHAND,K ARNATAKA	500000									

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		JASTHAN,TAMIL NADU,TELANGANA,UP,UTTRAKHAND,WESTBANGAL	,KERALA,M P,MARASTRA,ODISHA,PUDUCHERRY,PUNJAB,RAJASTHAN,TAMILNADU,TELANGANA,UP,UTTRAKHAND,WESTBANGAL	
27	Recommendation from the concerned Line Ministry of the Government/Regulatory Body. To be supported by documentary evidences			
28	<p>What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF? Give justification for presenting a duplicate qualification</p> <ul style="list-style-type: none"> • NSDC list of Approved and Under-Development QPs was checked prior to commissioning the work • NSDC QRC team also confirmed the same 			
29	<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? Specify the review process here</p> <ul style="list-style-type: none"> • Agencies have been appointed by the SSC to interact with training providers to gather feedback in implementation. • Monitoring of results of assessments • Employer feedback will be sought post-placement 			

Please attach most relevant and recent 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.

NSQF QUALIFICATION FILE

SECTION 4

EVIDENCE OF PROGRESSION

30	<p>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? <i>Show the career map here to reflect the clear progression</i></p> <p>The extent to which a labour is trained and educated affects its mobility. To ensure horizontal and vertical mobility the Qualifications pack have been tailored in a manner that it states all the required skills for a particular job role and ensures increase in developmental level when skills are practiced over time.</p> <p>Sewing machine operator can also work as a Specialised Sewing Machine operator at the same level. (Progression as per Vertical mobility)</p>
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Please attach most relevant and recent 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.