

It's Objective, learning outcomes, Modules, assessments and material list

NAME OF THE COURSE: Sewing Machine Operator and Inline Checker

Submitted to :- Bihar Skill Development Mission, Labour Resources Department, GoB	Submitted By :- Sandeep Kumar
	Session :22-27

Course name:

- Course Id- blank
- Candidate Eligibility : 5th
- Course Duration: 700 (In hours)

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body:

Welspun India Limited

Welspun City, Village Versamedi, Taluka Anjar Kutch, Gujarat 370110

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Sewing Machine Operator

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Sewing Machine Operator”, in the “Apparel, Made Ups and Home Furnishing” Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Sewing Machine Operator		
Qualification Pack Name & Reference ID.	Sewing Machine Operator; PWD/AMH/Q0301		
Version No.	1.0	Version Update Date	16-07-2019
Pre-requisites to Training	Preferably Class V		
Training Outcomes	<ul style="list-style-type: none">• Carryout Stitching activities using machine or by hand• Contribute to achieve product quality in stitching operations• Maintain work-area, tools and machine• Maintain health safety and security at workplace• Comply with the industry, regulatory and organizational requirements		

This course encompasses 5 out of 5 National Occupational Standards (NOS) of “Sewing Machine Operator” Qualification Pack issued by “**Apparel, Made-ups and Home Furnishing Sector Skill Council**”. The Curriculum is Aligned by **Skill Council for Persons with Disability** for Persons with Speech and Hearing Impairment.

Sr. No.	Module	Key Learning Outcomes	Equipment Required	Disability wise Training Tools with reference to Expository for Each NOS
1.	<p>Communication and fluency in ISL</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 25:00</p> <p>Corresponding NOS Bridge Module (PwD)</p>	<ul style="list-style-type: none"> Identify features of Indian Sign Language Use finger spelling Identify 100 signs in ISL essential for communication such as greetings and sharing information about self and others. Demonstrate numbers and currency in ISL Demonstrate using sign language: <ul style="list-style-type: none"> Objective of the training Tools and technology required for training 	LCD TV, Visual curricula, computer, White board	<p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> Assistive Aid/Service Ai-Live Captions First Captions 2020 Closed Capp Let’s Talk
2.	<p>Foundation Course in English</p> <p>Theory Duration (hh:mm) 25:00</p> <p>Practical Duration (hh:mm) 25:00</p> <p>Corresponding NOS Bridge Module (PwD)</p>	<ul style="list-style-type: none"> Identify different parts of a sentence Identify minimum 500 English words to build vocabulary Write short English sentences (Maximum 6 words per sentence) Use written communication to express feelings, concerns and queries. Write 10 short sentences to describe themselves. 	LCD TV, Visual curricula, computer, White board	<p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> Assistive Aid/Service Ai-Live Captions First Captions 2020 Closed Capp Let’s Talk
	<p>Understanding Self and Environment</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 00:00</p>	<ul style="list-style-type: none"> Demonstrate social etiquette towards seniors & colleagues Complete the task assigned in its designated time Identify their strengths and weaknesses with respect to work Identify ways to reduce stress. Distinguish sympathy from empathy Identify the characteristics of a good worker Identify and recommend ways to improve work 	LCD TV, Visual curricula, computer, White board	<p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> Assistive Aid/Service Ai-Live Captions First Captions 2020 Closed Capp Let’s Talk

	<p>Corresponding NOS Bridge Module (PwD)</p>	<ul style="list-style-type: none"> • Distinguish individual task from a group task. • Identify the designated person to seek assistance from in case of an emergency 		
4	<p>Work related training</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Bridge Module (PwD)</p>	<ul style="list-style-type: none"> • List 40-50 words associated with the related sector. • Comply to the HR policy and rules • Identify different positions in the organizational structures. • Identify the right attire suitable for the workplace 	LCD TV, Visual curricula, computer, White board	<p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> • Assistive Aid/Service • Ai-Live • Captions First • Captions 2020 • Closed Capp • Let's Talk
5	<p>Introduction and Orientation</p> <p>Theory Duration (hh:mm) 02:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> • Sewing as a profession • Apparel Sector in India • Roles and Responsibilities of a Sewing Machine Operator 	Computer, Computer Peripherals (optional), white/black board, white board marker, chalk	<p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> • Assistive Aid/Service • Ai-Live • Captions First • Captions 2020 • Closed Capp • Let's Talk <p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>Requirement on the basis of mode of teaching:</p> <ul style="list-style-type: none"> • Oral: Indian Sign Language (ISL) Interpreter will be able to facilitate the communication. • Written: Make sure that the language of the text is simple and easy to understand. • Using a Projector: Make sure that the

				<p>video is well captioned.</p> <ul style="list-style-type: none"> On a White Board: The trainer should not write on the board while speaking else the Person with Hearing Impairment won't be able to lip read. Self-Learning Material: The Person with Hearing Impairment can also refer to the SLMs prepared in the form of videos by SCPwD for skill training such candidates.
6	<p>Carry out stitching activities using machine or by hand</p> <p>Theory Duration (hh:mm) 38:00</p> <p>Practical Duration (hh:mm) 120:00</p> <p>Corresponding NOS Code AMH/N0301</p>	<p>A. Prepare for stitching operations</p> <ul style="list-style-type: none"> Keep the work area free from hazards Follow the instructions as written on the work ticket/ job card in line with the responsibilities of respective job role and Seek information on the tasks which are not clear simultaneously reviewing instructions with supervisor. Check that equipment is safe and set up in readiness for use Select the correct component parts for the style being worked on check that the materials to be used are free from faults Ensure the materials used meet the specification matching Within a product and Between a pair of products where applicable Carry out test sews Check needles, awls and threads regularly Check that the fabric and the component is correctly marked and the pieces are cut as per the requirement. Ensure the fabric pieces and linings are pinned or sewn 	<p>Single Needle Lock Stitch (SNLS) with needle guard, Over lock Machine (5 thread over lock machine), Button Hole Machine & Button Attach Machine (optional), dexterity kit, Pressing Table and Iron, Computer (optional) Computer Peripherals(optional) Printer, (optional) Projector(optional) Design Patterns Template, Shears iron blade for cutting fabric Scissors (plastic handled scissor for cutting paper) Trimmers Seam Ripper Tailor's Chalk, Pins & safety pins Dress Maker's Pin, Pin Cushion, Scales/ other shapes of scales like I scale,</p>	<p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> Assistive Aid/Service Ai-Live Captions First Captions 2020 Closed Capp Let's Talk <p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>The requirements on the basis of teaching methodology have been stated in Module 5</p> <p>All the ground rules, instructions and general guidelines should be strategically pasted or placed in the setup so that the candidate can read them anytime.</p> <p>Ensure that the work environment is adequately lighted and without glare</p>

		<p>together as required, and appropriately hung in readiness for assembly.</p> <ul style="list-style-type: none"> Conform to company quality standards and follow company reporting procedures about defective tools and machines which affect work and report risks/problems likely to affect services to the relevant person promptly and accurately <p>B. The individual will develop the skill to stitch components to produce apparels by:</p> <ul style="list-style-type: none"> Carrying out work functions in line with the job responsibilities Examining the specific item to identifying what type of stitching is best suited Estimating the expected length of time for the process Using the correct machine, tools (e.g.: attachments, threads, needles, awls, Scissors, Measuring tapes and rulers) and equipment machine) according to manufacturers' instructions and production requirements. Setting machine controls for the materials being stitched Handling materials, machinery, equipment and tools safely and correctly Using correct lifting and handling procedures Cutting the thread appropriately Threading the needle in the machine and adjust the needles per the requirements Performing a test run to ensure machine is operating correctly Optimizing the positioning and layout of materials to ensure a smooth and rapid throughput Stitching the correct materials in the right sequence as required by the production specification Ensuring stitched products meets specification 	<p>Measuring Tape Bobbin, Bobbin Case, Dress Form (Template), Cleaning Cloth, Sewing Threads, Hand needle (Various gauges), Machine Needle (Various Gauges), Sewing kit, Fabric Yardages Required Trims/Accessory Machine Folders and Attachments, Student's Chair (with Table Arm), cutting, Table (30"X20"X 30") Teacher's Table Teacher's Chair, garments, made-up and home furnishing samples, Tracing Wheel, Personal Protective Equipment, Hanger, Needle Threader, Students, Stools For Sewing, First Aid Box, Machine Oil</p>	<p>that could impede communication</p> <p>Arrange the work station in such a way that the Person with Speech and Hearing impairment can readily see when someone is entering the area.</p> <p>Audio Induction Loop can be used in the classroom or Lab. Please note that Induction Loops are preferred/recommended but are NOT mandatory.</p>
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7	<p>Contribute to achieve product quality in stitching operations</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 55:00</p> <p>Corresponding NOS Code AMH/N0302</p>	<ul style="list-style-type: none"> • Identify and use materials required based on the job card/ work ticket • Take the necessary action when materials do not conform to company quality standards • Report and replace identified faulty materials and component parts which do not meet specification • Identify modifiable defects and rework on them • Report to the responsible person when the work flow of other production areas disrupts work • Test, sort, track feed and examine work in progress • Carry out quality checks at specified intervals according to instructions • Apply the allowed tolerances • Identify faults in materials and components for crease, stains, damage etc. and incorrectly made-up component parts and take appropriate action for rectification • Make adjustments promptly to return product to specification 	Equipment same as above	<p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> • Assistive Aid/Service • Ai-Live • Captions First • Captions 2020 • Closed Capp • Let's Talk <p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>The requirements on the basis of teaching methodology have been stated in Module 5.</p> <p>Make sure that all the videos and images that are used during presentations on the projector are captioned.</p>

		<ul style="list-style-type: none"> • Maintain the required productivity and quality levels 		
8	<p>Maintain work area, tools and machines</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 30:00</p> <p>Corresponding NOS Code AMH/N0102</p>	<ul style="list-style-type: none"> • Maintain tools and equipment and handle them safely • Use materials to minimize waste • Carryout running maintenance within agreed schedules • Carry out maintenance and/or cleaning within one's responsibility • make sure that the correct machine guards are in place • Work in a comfortable position with the correct posture • Use cleaning equipment and methods appropriate for the work to be carried out • Dispose of waste safely in the designated location • Store cleaning equipment safely after use • Carryout cleaning according to schedules and limits of responsibility 	<p>Machinery tools and equipment like:</p> <p>Single Needle Lock Stitch (SNLS), Over lock Machine (5 thread over lock machine)</p> <p>Button Hole Machine</p> <p>Button Attach Machine (optional)</p> <p>Pressing Table and Iron, Shears "iron blade for cutting fabric)</p> <p>Scissors (plastic handled scissor for cutting paper)</p> <p>Trimmers</p> <p>Seam Ripper</p> <p>Scale (metallic, 6" & 12")/ other scales</p> <p>Measuring Tape (0.5" width)</p> <p>Bobbin with bobbin case,</p> <p>Hand needle (Various gauges)</p> <p>Machine Needle (Various Gauges)</p> <p>Machine Folders and attachment.</p>	<p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> • Assistive Aid/Service • Ai-Live • Captions First • Captions 2020 • Closed Capp • Let's Talk <p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>The requirements on the basis of teaching methodology have been stated in Module 5.</p> <p>Few Persons with Speech and Hearing Impairment can lip read. For such candidates, the trainer should speak in a simple and clear language to ensure maximum understanding of the Person with Speech and Hearing Impairment.</p> <p>The orientation to the various components of the equipment should be practically demonstrated to the candidate</p> <p>The trainer should ensure that they maintain eye contact with the Person with Speech and Hearing Impairment and not the Interpreter.</p>

9	<p>Maintain health, safety and security at workplace</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 28:00</p> <p>Corresponding NOS Code AMH/N0103</p>	<ul style="list-style-type: none"> • Comply with health and safety related • Instructions applicable to the workplace • Use and maintain personal protective equipment as per protocol • Maintain a healthy lifestyle and guard against dependency on intoxicants • Follow environment management system related procedures • Identify and correct if possible malfunctions in machinery and equipment • Report any service malfunctions that cannot be rectified • Store materials and equipment in line with manufacturer's and organizational requirements • Safely handle and move waste and debris • Minimize health and safety risks to self and others due to own actions • Seek clarifications, from supervisors or other authorized personnel in case of perceived risks • Monitor the workplace and work processes for potential risks and threats • Carryout periodic walk-through to keep work area free from hazards and obstructions, if assigned • Report hazards and potential risks/threats to supervisors or other authorized personnel • Participate in mock drills/evacuation procedures organized at the workplace • Undertake first aid, fire-fighting and emergency response training, if asked to do so • Take action based on instructions in the event of fire, • Follow organization procedures for shutdown and evacuation when required 	<p>Documents related to the subject</p>	<p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> • Assistive Aid/Service • Ai-Live • Captions First • Captions 2020 • Closed Capp • Let's Talk <p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>The requirements on the basis of teaching methodology have been stated in Module 5.</p>
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10	<p>Comply with Industry, regulatory and organizational requirements</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 15:00</p> <p>Corresponding NOS Code AMH/N0104</p>	<ul style="list-style-type: none"> • Carryout work functions in accordance with legislation and regulations, organizational guidelines and procedures • Seek and obtain clarifications on policies and procedures, from your supervisor or other authorized personnel • Apply and follow these policies and procedures within your work practices • Provide support to your supervisor and team members in enforcing these considerations • Identify and report any possible deviation to these requirements 	Documents related to Compliance	<p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> • Assistive Aid/Service • Ai-Live • Captions First • Captions 2020 • Closed Capp • Let's Talk <p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>The requirements on the basis of teaching methodology have been stated in Module 5.</p> <p>A safety mechanism that may be in the form of a red lighting bulb should be located strategically in the classroom or lab setup that lights up in case of an emergency. The other safety measures should be provided to them in written format.</p>
11	<p>Professional/Soft Skills</p> <p>Theory Duration (hh:mm) 04:00</p> <p>Practical Duration (hh:mm) 02:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> • Work effectively within a team. • Manage job related stress effectively. • Understand the importance of punctuality. • Recognize the causes of AIDS. • Get familiar with prevention methods for AIDS. • Understand Importance of health and hygiene. • Recognize ill-effects of alcohol and tobacco. 	White/black board, chalk/marker, duster	<p>Any of the following tools may be used:</p> <ul style="list-style-type: none"> • Assistive Aid/Service • Ai-Live • Captions First • Captions 2020 • Closed Capp • Let's Talk <p>Indian Sign Language (ISL) Interpreter is mandatory for both theory and practical sessions</p> <p>The requirements on the basis of teaching methodology have been stated in Module 5.</p>

	<p>Total Duration: 360 Hrs</p> <p>Theory Duration 80Hrs</p> <p>Practical Duration 270Hrs</p>	<p>Unique Equipment Required Dexterity kit, Single Needle Lock Stitch (SNLS) SNLS Machine with UBT Over Lock Machine (5 thread over lock machine)</p>
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Grand Total Course Duration: **350 Hours**

Trainer Prerequisites for Job Role: Sewing Machine Operator mapped to Qualification Pack: PWD/AMH/Q0301, Version 1.0”

Sr. No.	Area	Details
1	Job Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with Qualification Pack “ <u>PWD/AMH/Q0301</u> ” The Sign Language Interpreter for Persons with Speech and Hearing Impairment should be fluent in ISL, have necessary knowledge, skill and competencies to teach using ISL to Deaf persons who have nil to varying educational qualifications. This could either be a Hearing resource or a Deaf Person
2	Personal Attributes	The candidate should have aptitude for conducting training, pre /post work to ensure competent, employable candidates at the end of training. Strong communication skills, interpersonal skills, ability to work as team; diligent and is passionate for maintaining the quality in content and training delivery methodology. Candidate should have basic understanding of English language; however, this should not be a restrictive criterion as long as the candidate is willing and open to learn. He/she must be able to speak, read and write in the local language. Sign Language Interpreter should have necessary patience, empathy and sensitivity towards Persons with Speech and Hearing Impairment and should also be proficient in ISL
3	Minimum Educational Qualifications	ITI/AMT/Diploma, from NIFT, or any other polytechnic/reputed institute in the core subject.
4a	Domain Certification	Certified for Job Role: “Sewing Machine Operator” mapped to QP: “ <u>AMH/Q0301</u> ”, version 1.0. Minimum accepted score as per SSC guidelines is 80%.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “ <u>Trainer</u> ”, mapped to the Qualification Pack: “ <u>MEP/Q2601</u> ” with scoring of minimum 80%.
4c	Disability Specific Top Up module (SHI)	The Inclusive Trainer should be certified in Disability Orientation and Sensitization /Disability Specific Top Up training for Speech and Hearing Impairment conducted by SCPwD with minimum accepted score of 80% as per SCPwD guidelines.
4d	Specific Requirement for Persons with Speech and Hearing Impairment	The Indian Sign Language Interpreter should be mandatory during the training, counselling and placement of Persons with Speech and Hearing Impairment. A Certification by Indian Sign Language Research and Training Centre (ISLRTC) or Ali Yavar Jung National Institute of Speech and Hearing Disabilities (Divyangjan) (AYJNISHD(D)) will be desirable.
5	Experience	The candidate should have a minimum of 3 years of industrial experience in stitching and should possess good knowledge of sewing machines, needles etc. He should be able to communicate in English and local language. He should have knowledge of equipment, tools, material, Safety, Health & Hygiene * The minimum required experience could be relaxed by the vigilance committee of AMHSSC, if the concerned candidate possesses qualification from premium institutes, like NID, NIFT etc. For Sign Language Interpreter 2/3 Years of experience in their own field of training will be desirable

Criteria for Assessment of Trainees

Job Role: Sewing Machine

Operator QP Code:

PWD/AMH/Q0301

Expository: Speech and Hearing Impairment (E004)

Skill Council: Skill Council for Persons with Disability and AMHSSC

Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
5. To pass the Qualification Pack, every trainee should score a minimum of 70% aggregate in QP
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

Assessable Outcome	Assessment Criteria	Marks Allocation				
		Total Marks	Out Of	Theory	Skill Practical	Viva
1.AMH/N0301 (Carryout Stitching activities using machine or by hand)	PC1. Make sure the work area is free from hazards		3	1	1	1
	PC2. Follow the instructions on the work ticket/ job card in line with the responsibilities of respective job role		3	1	1	1
	PC3. Ask questions to obtain more information on tasks when the instructions you have are unclear		3	1	1	1
	PC4. Agree and review your agreed upon work targets with your supervisor and check for special instructions, if any		3	1	1	1
	PC5. Use the correct tools and equipment's		3	1	1	1
	PC6. Check that equipment is safe and set up in readiness for use		3	1	1	1
	PC7. Select the correct component parts for the style being worked on		3	1	1	1
	PC8. Check that the materials to be used are free from faults		5	1	3	1

PC9. Ensure the materials used meet the specification matching	210	3	1	1	1
a). Within a product		4	1	2	1
b) between a pair of products where applicable		4	1	2	1
PC10. Carry out test sews		4	1	2	1
PC11. Check needles, awls and threads regularly		4	1	2	1
PC12. Check if fabric / Component is correctly marked and pieces cut as required		4	1	2	1
PC13. Fabric pieces and linings are pinned or sewn together as required, and appropriately hung in readiness for assembly		4	1	2	1
PC14. Report faults in the materials		3	1	1	1
PC15. Conform to company quality standards		3	1	1	1
PC16. Report any damaged work to the responsible person		3	1	1	1
PC17. Follow company reporting procedures about defective tools and machines which affect work and report risks/ problems likely to affect services to the relevant person promptly and accurately		4	1	2	1
PC18. Sort and place work to assist the next stage of production and minimize the risk of damage		3	1	1	1
PC19. Leave work area safe and secure when work is complete		4	1	2	1
PC20. Complete forms, records and other documentation		4	2	1	1
PC21. Examine the specific item to identify what type of stitching is best suited		4	1	2	1
PC22. Estimate the expected length of time for the process		4	1	1	2
PC23. Set up machine (Apparel Sewing machine) according to manufacturers' instructions and production requirements		4	1	2	1
PC24. Set machine controls for the materials being stitched		5	1	3	1
PC25. Cut the thread appropriately		4	1	2	1
PC26. Thread the needle in the machine and adjust the needle as per the requirements		4	1	2	1
PC27. Perform a test run to ensure machine is operating correctly		4	1	2	1
PC28. Report defective machines, tools and/or equipment to the responsible person		4	1	2	1

	PC29. Operate machines safely and in accordance with guidelines		5	1	3	1
	PC30. Optimize the positioning and layout of materials to ensure a smooth and rapid throughput		6	1	4	1
	PC31. Check the equipment prior to making the stitching, including:		3	1	1	1
	PC32. Stitch the correct materials in the right sequence as required by the production specification		6	1	4	1
	PC33. Ensure stitched product conforms to shape and size requirement		4	1	2	1
	PC34. Ensure stitched products meets specification in terms of labels and trimmings		4	1	2	1
	PC35. Inspect stitched products against specifications		4	1	2	1
	PC36. Identify mark and place rejects in the designated locations		4	1	2	1
	PC37. Carry out alterations to meet customer requirements		4	1	2	1
	PC38. Pass the stitched item to the next stage in the manufacturing process after validation		4	1	2	1
	PC39. Respond accordingly where stitched items do not meet production specification		4	1	2	1
	PC40. Minimize and dispose the waste materials in the approved Manner		4	1	2	1
	PC41. Seek feedback from team mates on work related performance		3	1	1	1
	PC42. Check with in charge /others when unsure of new product details		4	1	2	1
	PC43. Clean and make safe machines after use		5	1	3	1
	PC44. Carry out basic maintenance of own machines		4	1	2	1
	PC45. Report risks/ problems likely to affect services to the relevant person promptly and accurately		4	1	2	1
	PC46. Carry out Operations at a rate which maintains workflow and meets production targets		4	1	2	1
		Total	210	55	100	55
2.AMH/N0302 (Contribute to achieve	PC1. Identify and use materials required based on the job card/ work ticket		4	1	2	1
	PC2. Take the necessary action when materials do not conform to company quality standards		4	1	2	1

product quality in stitching	PC3. Report and replace identified faulty materials and component parts which do not meet specification		4	1	2	1	
	PC4. Identify modifiable defects and rework on them		5	1	3	1	
	PC5. Carry out work safely and at a rate which maintains work flow		4	1	2	1	
	PC6. Report to the responsible person when the work flow of other production areas disrupts work		4	1	2	1	
	PC7. Test, sort, track feed and examine work in progress		5	1	3	1	
	PC8. Carry out quality checks at specified intervals according to instructions		5	1	3	1	
	PC9. Apply the allowed tolerances		4	1	2	1	
	PC10. Identify faults and take appropriate action for rectification		5	1	3	1	
	PC11. Make adjustments promptly to return product to specification		4	1	2	1	
	PC12. Fault-find materials and components for creased, stained, damage and incorrectly made-up component parts		4	1	2	1	
	PC13. Report faults in other processes to the appropriate person		4	1	2	1	
	PC14. Maintain the required productivity and quality levels		5	1	3	1	
	PC15. Complete and maintain documentation		4	1	2	1	
		Total		65	16	34	15
	3.AMH/N0102 Maintain work area, tools and machines	PC1. Handle materials, machinery, equipment and tools safely and correctly		3	1	1	1
PC2. Use correct lifting and handling procedures			3	1	1	1	
PC3. Use materials to minimize waste			3	1	1	1	
PC4. Maintain a clean and hazard free working area			4	1	2	1	
PC5. Maintain tools and equipment			4	1	2	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			3	1	1	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			4	1	2	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		4	1	2	1
	PC14. Carry out cleaning according to schedules and limits of responsibility		4	1	2	1
		Total	50	14	22	14
4.AMH/N0103 Maintain health, safety and security at workplace	PC1. Comply with health and safety related instructions applicable to the workplace		3	1	1	1
	PC2. Use and maintain personal protective equipment as per protocol		4	1	2	1
	PC3. Carry out own activities in line with approved guidelines and procedures		4	1	2	1
	PC4. Maintain a healthy lifestyle and guard against dependency on intoxicants		3	1	1	1
	PC5. Follow environment management system related procedures		3	1	1	1
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment		4	1	2	1
	PC7. Report any service malfunctions that cannot be rectified		3	1	1	1
	PC8. Store materials and equipment in line with manufacturer's and organizational requirements		4	1	2	1
	PC9. Safely handle and move waste and debris		3	1	1	1
	PC10. Minimize health and safety risks to self and others due to own actions		3	1	1	1
	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		3	1	1	1
	PC12. Monitor the workplace and work processes for potential risks and threats		3	1	1	1
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		3	1	1	1
	PC14. Report hazards and potential risks/ threats to supervisors or other authorized personnel		3	1	1	1
	PC15. Participate in mock drills/ evacuation procedures organized at the workplace		4	1.5	2	0.5
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		4	1.5	2	0.5
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		3	1.5	1	0.5

	PC18. Follow organization procedures for shutdown and evacuation when required		3	1.5	1	0.5
		Total	60	20	24	16
5.AMH/N0104 Comply with industry, regulatory and organizational requirements	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures		3	1	1	1
	PC2. Seek and obtain clarifications on policies and procedures, from your supervisor or other authorized personnel		3	1	1	1
	PC3. Apply and follow these policies and procedures within your work practices		3	1	1	1
	PC4. Provide support to your supervisor and team members in enforcing these considerations		3	1	1	1
	PC5. Identify and report any possible deviation to these requirements		3	1	1	1
		Total	15	5	5	5
	Grand Total		400	110	185	105

Accommodation Guideline recommended for Inclusive Trainers

Persons with Speech and Hearing

Impairment Characteristics

- Use other senses as mediums of learning. (Use gestures, body language, expressions, lip reading etc.)
- Use adapted material such as visual or sight vocabulary to provide first-hand experience.
- Use assistive devices such as hearing aid, loop system etc.
- Teach how to access sound-based information.

Guidelines for Trainers

- Make sure you are aware of the learners' language abilities and preferred learning style to ensure inclusion into the group.
- When you have a student with SHI in the group, reduce background noise or, request for a classroom that is away from noise. Make sure you have the whole group's attention before starting the session.
- Allow SHI students to sit where they wish. SHI students who can read the lip should sit near the front. (Optimum distance for lip-reading is considered to be about 6 feet.)
- Face the SHI student when speaking.
- Use clear speech.
- Make sure the room is well lit to allow the student with SHI to see your facial expression, signing and/or lip read.
- Use assistive device where available, to facilitate teaching-learning in the classroom.
- Arrange the classroom so that students can see each other, e.g., organizing the class in a circle or semicircle allows all students to see each other.
- Use shorter sentences, clearer speech.
- Associate words with real objects, pictures; for example, the colour concept
- Use pictures (flash cards), real objects, real experiences, dramatization, and activities.
- You can write key points on the board or chart.
- Encourage other people or staff to develop communication strategies so that they can get into the style of students with SHI

In-Line Checker

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “In-Line Checker”, in the “Apparel, Made-Ups and Home Furnishing” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	In-Line Checker		
Qualification Pack Name & Reference ID.	AMH/Q0102,V1.0		
Version No.	1.0	Version Update Date	11/02/2019
Pre-requisites to Training	Preferably Class V		
Training Outcomes	After completing this program, participants will be able to: <ul style="list-style-type: none">• Prepare for in-line checking activities.• Carryout in-line checking activities.• Maintaining work area & tools.• Maintain health, safety and security at workplace.• Comply with industry, regulatory and organizational requirements.		

This course encompasses 4 out of 4 National Occupational Standards (NOS) of “In-Line Checker” Qualification Pack issued by “APPAREL, MADE-UPS AND HOME FURNISHING SECTOR SKILL COUNCIL”.

Sr. No	Module	Key Learning Outcomes	Equipment Required
1	<p>Introduction and Orientation</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code</p> <p>Bridge Module</p>	<ul style="list-style-type: none"> Identify the Apparel, Made- ups and home Furnishing Sector in India. Identify the role of in-line checker in the industry. 	<p>computer and computer peripherals (optional), white/black board, marker, duster</p>
2	<p>Prepare for in-line checking activities</p> <p>Theory Duration (hh:mm) 25:00</p> <p>Practical Duration (hh:mm) 75:00</p> <p>Corresponding NOS Code</p> <p>AMH/N0105</p>	<ul style="list-style-type: none"> Identify the types of fibers, yarns and fabric with their properties. Identify commonly used tools and equipment of inspection. Ensure the work area is free from hazards. Ensure cleanliness of tools and equipment before using them. Identify different types of faults like Fabric faults, Stitch faults, Seam faults. Identify trims and accessories used in garments. 	<p>job card, white board/ black board ,machine tool kit (screw driver, screw etc.),student's chair with table arm or desk , fire extinguisher & first aid & machine oil, dustbin, industrial single needle lock stitch sewing machine with needle guard set, accessories and trims pressing unit, computer and computer peripherals, dress form (size medium) checking table ,scales measuring tape, white board marker /chalk white board duster/ normal duster, trainees stools ,sewing kit includes thread clipper/ thumb trimmer ,seam ripper , tracing wheel etc, trainers table &chair, scissors fabric cutting ,techpack sample /specs etc,"samples of defects garments, made ups and home furnishing and embroidery swatches" trims & accessories/fabric swatch file, check list, record maintenance sheet &reporting format, production & ready pattern ,sewing machine needles, basic stationary items, quality tag /stickers</p>

			types of defect list & quality check list students manual, sewing thread, dexterity test kit, bobbin , bobbin case ,fabric yardage (qty may vary),tailor's chalk, pins like safety pins etc.,projector /lcd
3	<p>Carryout in-line checking activities</p> <p>Theory Duration (hh:mm) 20:00</p> <p>Practical Duration (hh:mm) 90:00</p> <p>Corresponding NOS Code AMH/N0105</p>	<ul style="list-style-type: none"> • Explain the procedure of inspection as per the required quality standards. • Inspect the cut components. • Record the faults identified in the components. • Maintain work flow rate to meet production targets given. • Resolve the problems in the components. • Calculate the number of faults. • Perform bundling and labeling of cut components after inspection. • Demonstrate storing the cut components as per the required quality standards. • Document if any defects are identified. • Inspect the garment. • Record the faults identified in the garment. • Handle the garment in an appropriate manner. • Explain the procedure of informing the superior / colleague about the faults identified in the garment. 	<p>job card, white board/ black board ,machine tool kit (screw driver, screw etc.),student's chair with table arm or desk , fire extinguisher & first aid & machine oil, dustbin, industrial single needle lock stitch sewing machine with needle guard set, accessories and trims pressing unit, computer and computer peripherals, dress form (size medium) checking table ,scales measuring tape, white board marker /chalk white board duster/ normal duster, trainees stools ,sewing kit includes thread clipper/ thumb trimmer ,seam ripper , tracing wheel etc, trainers table & chair, scissors fabric cutting ,techpack sample /specs etc,"samples of defects garments, made ups and home furnishing and embroidery swatches" trims & accessories/fabric swatch file, check list, record maintenance sheet & reporting format, production & ready pattern ,sewing machine needles, basic stationary items, quality tag /stickers, types of defect list & quality check list students manual, sewing thread, dexterity test kit, bobbin , bobbin case ,fabric yardage (qty may vary),tailor's chalk, pins like safety pins etc.,projector /lcd</p>

<p>4</p>	<p>Maintaining work area and tools</p> <p>Theory Duration (hh:mm) 14:00</p> <p>Practical Duration (hh:mm) 55:00</p> <p>Corresponding NOS Code AMH/N0106</p>	<ul style="list-style-type: none"> • Demonstrate safe and correct handling of materials and tools. • Identify the methods to minimize waste. • Maintain a clean and hazard free working area • Maintain tools and equipment • Carry out running maintenance as per the standards required. • Demonstrate the correct posture while working • Identify the use of different types of equipment. • Dispose off waste safely in a designated location. • Store cleaning equipment safely after use • Carry out cleaning activities according to the given standards. 	<p>sewing thread, dexterity test kit, bobbin , bobbin case, sewing kit includes thread clipper/ thumb trimmer ,seam ripper , tracing wheel etc, scissors, fabric cutting, techpack sample /specs etc,"samples of defects, garments, made ups ,and home furnishing and embroidery swatches", sewing machine needles, industrial single needle lock stitch sewing machine with needle guard set, accessories and trims ,pressing unit, computer and computer peripherals Dress Form(size medium) Checking Table ,Scales Measuring Tape,</p>
<p>5</p>	<p>Maintain health, safety and security at workplace</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 18:00</p> <p>Corresponding NOS Code AMH/N0103</p>	<ul style="list-style-type: none"> • Identify methods to be vigilant for potential risks and threats associated with the workplace and equipment such as physical injuries from scissors, shears, etc. • Handle tools and equipment such as cutters, scissors, etc. safely and securely. • Check the workplace and work processes for potential risks and threats such as fire, electric shocks, etc. • Demonstrate the use of personal protective equipment. • Identify the malfunction in machinery and equipment. • Correct the possible malfunction in machinery and equipment • Perform emergency procedures such as first-aid and Cardio Pulmonary Resuscitation (CPR). • Demonstrate the process involved in mock-drills and/or evacuation at the workplace in case of emergency. • Demonstrate correct and safe handling of fire extinguishers. • Apply emergency response processes. 	<p>first aid kit, fire extinguisher , machinery and equipment</p>

6	<p>Comply with industry, regulatory and organizational requirements</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 15:00</p> <p>Corresponding NOS Code AMH/N0104</p>	<ul style="list-style-type: none"> Apply legislation and regulations, organizational guidelines and procedures while carrying out work related functions. Apply appropriate methods to seek clarifications pertaining to policies and procedures, from the supervisor or other authorized personnel. 	documents related to same
7	<p>Soft Skills</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 12:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> Illustrate the steps followed for personal grooming and hygiene. Apply organization procedures and maintain personal health and hygiene and avoid habits like gutkha, tobacco etc. Demonstrate effective interaction with the group. Demonstrate time management in the work. Write your resume. Demonstrate the preparation for the interviews. 	white/black board with duster and chalk
	<p>Total Duration: 270Hrs</p> <p>Theory Duration 85 Hrs</p> <p>Practical Duration 265 Hrs</p>	<p>Unique Equipment Required: job card ,white board/ black board ,machine tool kit (screw driver, screw etc.),students chair with table arm or desk, fire extinguisher & first aid & machine oil ,dustbin, industrial single needle lock stitch sewing machine with needle guard set, accessories and trims ,pressing unit, computer and computer peripherals, dress form(size medium),checking table ,scales, measuring tape , record maintenance sheet &reporting format, production & ready pattern, sewing machine needles, basic stationary items, quality tag /stickers sheets, types of defect list &quality check list, students manual, sewing thread, dexterity test kit, bobbin , bobbin case, fabric yardage (qty may vary) ,tailor's chalk, pins like safety pins etc., projector /lcd, trainees stools , sewing kit includes thread clipper/ thumb trimmer ,seam ripper , tracing wheel etc., scissors fabric cutting, tech pack sample /specs etc,"samples of defects ,garments, made ups ,and home furnishing and embroidery swatches" , trims & accessories/fabric swatch file, check list</p>	

Grand Total Course Duration: **350 Hours, 0 Minutes**

Trainer Prerequisites for Job role: “In–Line Checker” mapped to Qualification Pack: “AMH/Q0102, version 1.0”

Sr. No.	Area	Details
1	Job Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with Qualification Pack “ <u>AMH/Q0102</u> ”
2	Personal Attributes	The candidate should have aptitude for conducting training, pre /post work to ensure competent, employable candidates at the end of training. Strong communication skills, interpersonal skills, ability to work as team; diligent and is passionate for maintaining the quality in content and training delivery methodology. Candidate should have basic understanding of English language; however this should not be a restrictive criterion as long as the candidate is willing and open to learn. He/she must be able to speak, read and write in the local language.
3	Minimum Educational Qualifications	<ul style="list-style-type: none"> • The candidate should be 10th pass with six years supervisory experience in relevant trade • Certificate in relevant trade of minimum 6 months duration • Diploma of minimum 1 year duration in the relevant trade • ITI in relevant trade • Graduate in the relevant trade
4a	Domain Certification	Certified for Job Role: “ <u>In-Line Checker</u> ” mapped to QP: “ <u>AMH/Q0102</u> ”, version 1.0. Minimum accepted score as per SSC guidelines is 80%.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “ <u>Trainer</u> ”, mapped to the Qualification Pack: “ <u>MEP/Q0102</u> ”. Minimum accepted % as per respective SSC guidelines is 80%.
5	Experience	<ul style="list-style-type: none"> • The candidate should be 10th pass with six years supervisory experience in relevant trade • Certificate of minimum six months duration in relevant trade with 4 years of work experience in relevant trade • Diploma of minimum 1 year duration in the relevant trade with 2 years of work experience in relevant trade • ITI in relevant trade with minimum 2 years of work experience in relevant trade • Graduation in relevant trade with minimum 2 years of work experience in relevant trade, • He should be able to communicate in English and local language. He should have knowledge of equipment, tools, material, Safety, Health & Hygiene

Annexure: Assessment Criteria

Job Role In-Line Checker

Qualification Pack AMH/Q0102, V1.0

Sector Skill Council AMHSSC

Guidelines for Assessment

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions approved by the SSC
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination / training center based on this criteria
6. To pass the Qualification Pack, every trainee should score a minimum of 50% aggregate in a QP
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

		Total Marks 350	Out Of	Marks Allocation		
				Theory	Skills Practical	Viva
1. AMH/N0105 Carryout in-line checking activities	PC1. Check that the work area is free from hazards	100	4	1	2	1
	PC2. Follow the instructions on the work ticket/ job card		4	2	1	1
	PC3. Ensure the cleanliness of the tools (Sticker, Marker, Rubber Band, Pattern, etc) and equipment's as per the work instruction		7	1	5	1
	PC4. Assist in carrying out foundation inspection safely and at a rate which maintains work flow and meets production targets		5	3	1	1
	PC5. Visually inspect the cut component for any defects		10	1	7	2
	PC6. Bundle and label the cut components		7	1	5	1
	PC7. Store the cut components in specified manner, to ensure that the quality is preserved		7	1	5	1
	PC8. Document if any defects are identified		7	5	1	1
	PC9. Inform the appropriate people in case of any defect identified		7	1	5	1
	PC10. Identify problems and resolve issues within limits of your own responsibility		7	1	5	1
	PC11. Report problems outside area of responsibility to the appropriate person		7	2	4	1
	PC12. Visually inspect the garment parts for basic quality conformance		7	1	5	1
	PC13. Identify stitch faults in the garment parts and inform as per the specified procedure		7	1	5	1
	PC14. Identify fabric faults in the garment parts and inform as per the specified procedure		7	1	5	1
	PC15. Ensure the garment parts are handled in an appropriate manner		7	1	4	2
	Total	100	23	60	17	
2. AMH/N0106 Maintain work area and tools	PC1. Handle materials and tools safely and correctly		10	2	5	3
	PC2. Use correct lifting and handling procedures		10	3	4	3

	PC3. Use materials to minimize waste	100	10	2.5	3	4.5	
	PC4. Maintain a clean and hazard free working area		7	2.5	2	2.5	
	PC5. Maintain tools and equipment's		10	3	5	2	
	PC6. Carry out running maintenance within agreed schedules		5	1	2	2	
	PC7. Carry out maintenance and/or cleaning within one's responsibility		10	2	4	4	
	PC8. Report unsafe equipment and other dangerous occurrences		8	2	4	2	
	PC9. Work in a comfortable position with the correct posture		5	1	3	1	
	PC10. Use cleaning equipment and methods appropriate for the work to be carried out		5	2	1	2	
	PC11. Dispose of waste safely in the designated location		5	1	3	1	
	PC12. Store cleaning equipment safely after use		10	3	5	2	
	PC13. Carry out cleaning according to schedules and limits of responsibility		5	2	2	1	
			Total	100	27	43	30
3. AMH/N0103 Maintain health, safety and security at workplace	PC1. Comply with health and safety related instructions applicable to the workplace		100	12	7	2	3
	PC2. Use and maintain personal protective equipment as per protocol	6		4	1	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	6		4	1	1	
	PC5. Follow environment management system related procedures	6		4	1	1	
	PC6. Identify and correct (if possible) malfunctions in machinery and equipment	4		1	2	1	
	PC7. Report any service malfunctions that cannot be rectified	4		2	1	1	
	PC8. Store materials and equipment in line with manufacturer's and organizational requirements	4		1	2	1	
	PC9. Safely handle and move waste and debris	4		1	2	1	
	PC10. Minimize health and safety risks to self and others due to own actions	6		2	2	2	

	PC11. Seek clarifications, from supervisors or other authorized personnel in case of perceived risks		8	2	3	3
	PC12. Monitor the workplace and work processes for potential risks and threats		4	1	2	1
	PC13. Carry out periodic walk-through to keep work area free from hazards and obstructions, if assigned		4	1	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	1	2	1
	PC16. Undertake first aid, fire-fighting and emergency response training, if asked to do so		12	3	7	2
	PC17. Take action based on instructions in the event of fire, emergencies or accidents		4	1	2	1
	PC18. Follow organization procedures for shutdown and evacuation when required		4	2	1	1
		Total	100	40	36	24
4. AMH/N0104 Comply with industry, regulatory and organizational requirements	PC1. Carry out work functions in accordance with legislation and regulations, organizational guidelines and procedures	50	10	4	4	2
	PC2. Seek and obtain clarifications on policies and procedures, from your supervisor or other authorized personnel		10	5	1	4
	PC3. Apply and follow these policies and procedures within your work practices		10	1	1	8
	PC4. Provide support to your supervisor and team members in enforcing these considerations		10	2	3	5
	PC5. Identify and report any possible deviation to these requirements		10	3	2	5
		Total	50	15	11	24
Grand Total			350	105	150	95