

Model Curriculum

1. Washing Machine Operator

SECTOR: APPAREL, MADE-UP'S AND HOME FURNISHING
SUB-SECTOR: Apparel, Made-Up's And Home Furnishing
OCCUPATION: Washing Machine Operator
REF ID: AMH/Q1810
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

APPAREL MADE-UPS HOME FURNISHING SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: **Washing Machine Operator** QP No. **AMH/Q1810**
NSQF
Level 4

Date of Issuance: **December 15, 2016**

Valid up to: **December 15, 2017**

* Valid up to the next review date of the Qualification Pack


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Chief Executive Officer (Apparel
Made-ups Home Furnishing Sector
Skill Council)

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Washing Machine Operator

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Washing 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	Washing Machine Operator		
Qualification Pack Name & Reference ID.	Washing Machine Operator; AMH/Q1810		
Version No.	1.0	Version Update Date	As per QP
Pre-requisites to Training	Preferably Class X		
Training Outcomes	<ul style="list-style-type: none"> Plan and prepare for process of washing as per job card) Carrying out the washing process Maintain health, safety and security in the washing department Maintain work area, tools and machines Comply with industry, regulatory and organizational requirements) 		

This course encompasses 5 out of 5 National Occupational Standards (NOS) of “Washing Machine Operator” 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) 02:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code</p> <p>Bridge Module</p>	<ul style="list-style-type: none"> Importance of Washing Machine Operation in Apparel Industry Understand the Job Responsibilities of an Washing Machine Operator 	<p>Laptop, Projector, White /black Board With Marker & Chalk, Duster</p>
2	<p>Plan and prepare for process of washing as per job card</p> <p>Theory Duration (hh:mm) 25:00</p> <p>Practical Duration (hh:mm) 60:00</p> <p>Corresponding NOS Code AMH/N1810</p>	<ul style="list-style-type: none"> Ensure that the machine is empty & clean Ensure garments are free from undesirable crease/fold/twist Check garments for any objectionable defects Mark the articles for washing with identifying code numbers or names using hand or machine markers Make sure the machine is kept clean at all times, before loading, while running and after unloading the fabric Check that all the controls of the machines are functioning properly Ensure enough supply of utilities such as water, air and steam for proper functioning of the machine 	<p>Different type of Industrial Washing Machine, Drying Machines And Tumbler, Different type of fabrics/trims & accessories, Trims & Accessories/ swatch file, Different type of chemicals & reagents, Stains Swatch file, White /Black Board With Marker & Chalk Duster , Hangers , Laundry Baskets Hanging rope, Boilers and steam generators, Small brush, Types of label, Trolley, Per chloroethylene (PERC) Types of Garments , Made ups and Home furnishing articles, First aid box, Protective equipment like Nose mask, Hand gloves, Gum boots, etc., Basic stationary (pen, pencil, eraser), Hand book on wash instruction and labels, Students Manual, Job Card, Inventory/Stock Register sample, Fire Extinguisher,</p>

			Student's Chairs With Table Arms, Trainer's chair And Table, Big Table, Tubs, book on fabrics, Dustbin, Trainees stools.
3	<p>Carrying out the washing process Theory Duration (hh:mm) 28:00</p> <p>Practical Duration (hh:mm) 100:00</p> <p>Corresponding NOS Code AMH/N1811</p>	<ul style="list-style-type: none"> • Read and comprehend fully the process being followed to do the task of putting the detergent into the machine • Check different parameters of the process like pH, colour, temperature, length of washing cycle etc. • Run the machine as per the washing cycle referred in the job card • Pick out one or two pieces from washed product randomly • Compare the pieces with the standard reference sample • Check the product for washing or rubbing fastness due to abrasion • Remove the objects and place them in the drying machine as per the instructions in the job card • Check the products for any stains or damage after the process 	Same as above
4	<p>Maintain health, safety and security in washing department Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code AMH/N1812</p>	<ul style="list-style-type: none"> • Identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry • Ensure washing effluents before discharge complies with industrial and environmental requirements like BOD, COD, pH, color, etc. • Ensure the effluents are monitored periodically for compliance • Ensure safe and secure handling of washing equipment, tools and machineries with the help of gloves, boots, etc. • Follow environment management system related to the washing processes 	Same as above
5	<p>Maintain work area, tools and machines</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 10:00</p> <p>Corresponding NOS Code AMH/N0102</p>	<ul style="list-style-type: none"> • Handle materials, machinery, equipment and tools safely and correctly • Use correct lifting and handling procedures • Use materials to minimize waste • Maintain a clean and hazard free working area • Maintain tools and equipment • Carry out running maintenance within agreed schedules • Carry out maintenance and/or cleaning within one's responsibility • Report unsafe equipment and other dangerous occurrences • Ensure that the correct machine guards are in place 	Same as above

		<ul style="list-style-type: none"> • 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 • Carry out cleaning according to schedules and limits of responsibility 	
6	<p>Comply with Industry, regulatory and organisational requirements</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 10:00</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 	Computer, Computer Peripherals, Documents related to Compliance
7	<p>Soft Skills</p> <p>Theory Duration (hh:mm) 03:00</p> <p>Practical Duration (hh:mm) 03:00</p> <p>Corresponding NOS Code</p> <p>Bridge Module</p>	<ul style="list-style-type: none"> • Understand importance of effective communication • Communicate effectively with others • Identify and follow personal grooming and hygiene • Follow organization procedures and maintain personal health and hygiene and avoid habits like ghutka, tobacco etc. • Interact effectively in a group • Manage time effectively • Understand importance of resume and prepare your resume • Prepare for interviews 	Computer, White /Black Board With Marker & Chalk, projector
8	<p>First aid and CPR</p> <p>Theory Duration (hh:mm) 02:00</p> <p>Practical Duration (hh:mm) 07:00</p> <p>Corresponding NOS Code</p> <p>Bridge Module</p>	<ul style="list-style-type: none"> • Identify methods of first aid • Undertake basic first aid, • Undertake basic CPR 	First Aid Kit,

Total Duration 300:00 Theory Duration 90:00 Practical Duration 210:00	
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Grand Total Course Duration: **300 Hours**
(This syllabus/ curriculum has been approved by APPAREL, MADE-UP'S AND HOME FURNISHING SECTOR SKILL COUNCIL)

Trainer Prerequisites for Job role: “Washing Machine Operator” mapped to Qualification Pack: “AMH/Q1810, 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 “AMH/Q 1810”
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	Graduate/ ITI/Diploma/AMT, from NIFT, or any other polytechnic/ reputed institute in the core subject
4a	Domain Certification	Certified for Job Role: “Washing Machine Operator” mapped to QP: “AMH/Q1810”, 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: “Trainer”, mapped to the Qualification Pack: “SSC/Q1402” with scoring of minimum 80%.
5	Experience	<p>The candidate should have a minimum of 3 years of work experience in the same job role. He should be able to communicate in English and local language. He should have knowledge of equipment, tools, material, Safety, Health & Hygiene.</p> <p>* 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.</p>

Annexure: Assessment Criteria

Assessment Criteria for Washing Machine Operator	
Job Role	Washing Machine Operator
Qualification Pack	AMH/Q1810, version 1.0
Sector Skill Council	APPAREL, MADE-UP'S AND HOME FURNISHING

Sr. No.	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	Skills Practical	Viva
1. AMH/N1810 (Plan and prepare the process of washing as per job card)	PC1. Ensure that the machine is empty & clean	70	14	6	7	1
	PC2. Ensure garments are free from undesirable crease/fold/twist		15	6	8	1
	PC3. Check garments for any objectionable defects		12	5	7	0
	PC4. Mark the articles for washing with identifying code numbers or names using hand or machine markers		8	2	5	1
	PC5. Make sure the machine is kept clean at all times, before loading, while running and after unloading the fabric		5	0	4	1
	PC6. Check that all controls of the machines are functioning properly		8	2	5	1
	PC7. Ensure enough supply of utilities such as water, air and steam for proper functioning of the machine		8	2	6	0
	Total	70	23	42	5	
2. AMH/N1811 (Carrying out the washing process)	PC1. Read and comprehend fully the process being followed to do the task of putting the detergent into the machine	95	17	6	10	1
	PC2. Check different parameters of the process like pH, color, temperature, length of washing cycle, etc.		12	3	8	1
	PC3. Run the machine as per the washing cycle referred in the job card		23	10	13	0
	PC4. Pick out one or two pieces from washed product randomly		9	2	7	0
	PC5. Compare the pieces with the standard reference sample		11	2	8	1

	PC6. Check the product for washing or rubbing fastness due to abrasion		9	2	6	1
	PC7. Remove the objects and place them in the drying machine as per the instructions in the job card		7	1	6	0
	PC8. Check the products for any stains or damage after the process		7	2	4	1
		Total	95	28	62	5
3. AMH/N1812 (Maintain health, safety and security in the washing department)	PC1. Identify different kinds of possible hazards (environmental, personal, ergonomic, chemical) of the industry	35	7	3	3	1
	PC2. Ensure washing effluents before discharge complies with industrial and environmental requirements like BOD, COD, pH, color, etc.		8	3	4	1
	PC3. Ensure the effluents are monitored periodically for compliance		7	2	4	1
	PC4. Ensure safe and secure handling of washing equipments, tools and machineries with the help of gloves, boots, etc.		7	3	4	0
	PC5. Follow environment management system related to the washing processes		6	3	3	0
			Total	35	14	18
4. AMH/N0102 (Maintain workarea, tools and machines)	PC1. Handle materials, machinery, equipment and tools safely and correctly		3	0	2	1
	PC2. Use correct lifting and handling procedures		3	1	2	0
	PC3. Use materials to minimize waste		3	1	1	1
	PC4. Maintain a clean and hazard free working area		3	0	2	1
	PC5. Maintain tools and Equipment		2	0	2	0
	PC6. Carry out running maintenance within agreed schedules		4	1	2	1

	PC7. Carry out maintenance and/or cleaning within one's responsibility	40	2	0	2	0
	PC8. Report unsafe equipment and other		3	1	1	1
	PC9. Ensure that the correct machine guards are in place		3	0	2	1
	PC10. Work in a comfortable position with the correct posture		2	0	2	0
	PC11. Use cleaning equipment and methods appropriate for the work to be carried out		4	1	2	1
	PC12. Dispose of waste safely in the designated location		2	0	2	0
	PC13. Store cleaning equipment safely after use		2	0	2	0
	PC14. Carry out cleaning according to schedules and limits of responsibility		4	1	2	1
	Total	40	6	26	8	
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	30	7	2	4	1
	PC2. Seek and obtain clarifications on policies and procedures, from your supervisor or other authorized personnel		8	3	4	1
	PC3. Apply and follow these policies and procedures within your work practices		4	1	3	0
	PC4. Provide support to your supervisor and team members in enforcing these considerations		5	1	3	1
	PC5. Identify and report any possible deviation to these requirements		6	2	3	1
	Total	30	9	17	4	
Grand Total			270	80	165	25



Apparel Made-ups and Home Furnishing Sector Skill Council
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