

Model Curriculum

Hank Dyer

SECTOR: TEXTILE
SUB-SECTOR: Handloom
OCCUPATION: PRE LOOM OPERATOR
REF. ID: TSC/Q 7201, VERSION 1.0
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

TEXTILE SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: 'HANK DYER' QP No. 'TSC/ Q 7201' NSQF Level 4'

Date of Issuance: **January, 18th, 2016**

Valid up to: **January 17th, 2017**

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



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TABLE OF CONTENTS

1. Curriculum	01
2. Trainer Prerequisites	05
3. Annexure: Assessment Criteria	06

HANK DYER

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Hank Dyer”, in the “Textile” Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Hank Dyer		
Qualification Pack Name & Reference ID.	Hank Dyer, TSC/Q7201, version 1.0		
Version No.	1.0	Version Update Date	18-01-2016
Pre-requisites to Training	Preferably equivalent to 10 th standard		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Carry out pre dyeing activities: desizing, scouring, bleaching etc. • Carry out dyeing of hank yarn • Carry out finishing of dyed yarn • Maintain work area, tools and machines • Gain behavioral skill for team working • Maintain health, safety and security at work place • Comply with industry and organizational requirement 		

This course encompasses 7 out of 7 National Occupational Standards (NOS) of “Hank Dyer” Qualification Pack issued by “TSC: Textile Sector Skill Council”

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Carry out pre dyeing activities: desizing, scouring, bleaching etc.</p> <p>Theory Duration (hh:mm) 22:00</p> <p>Practical Duration (hh:mm) 38:00</p> <p>Corresponding NOS Code TSC/N 7201</p>	<ul style="list-style-type: none"> • Receive the material to be dyed and weigh it • Maintain a proper record of received yarn and date of delivery • Identify the type of yarns: cotton, wool, silk, blend etc. • Analyse the type of pre dyeing activities to be carried out • Check that the container for carrying out pre dyeing activities is clean • Ensure that the right quality of water and other chemicals is available • Weigh and arrange the required chemicals for preparing the bath • Prepare the bath for carrying out pre dyeing activities • Ensure that the right condition (temperature, pH level etc.) of the bath is prepared • Ensure proper immersion and timely rotation of yarn, if required • Carry out pre dyeing activities as per the specified time limit • Clean the container used for carrying out pre dyeing activities • Dispose of the waste materials in the approved manner • Leave the work area safe and secure when work is complete 	<p><u>1. A sample of following items for each trainee:</u> Hank yarn samples</p> <p><u>2. Class room requirements:</u> a batch of 25 people seating capacity with a screen and projector</p>
2	<p>Carry out dyeing of hank yarn</p> <p>Theory Duration (hh:mm) 29:00</p> <p>Practical Duration (hh:mm) 51:00</p> <p>Corresponding NOS Code TSC/N 7202</p>	<ul style="list-style-type: none"> • Identify the right type of dye for dyeing the selected yarn • Check that the container for carrying out dyeing is clean • Ensure that the right quality of water, dye and other chemicals is available • Weigh and arrange the required chemicals and dyes for preparing the bath • Prepare the bath for carrying out dyeing • Ensure that the right condition (temperature, pH level etc.) of the bath is prepared • Ensure proper immersion and timely rotation of yarn, if required • Carry out dyeing of selected yarn as per the specified time limit • Clean the container used for carrying out dyeing • Dispose of the waste materials in the approved manner • Leave the work area safe and secure when work is complete 	<p><u>1. A sample of following items for each trainee:</u> Hank yarn samples</p> <p><u>2. common for every batch:</u> Dyeing machine, water, dyes, Ph meter, weighing balance, trolley</p> <p><u>3. Class room requirements:</u> 25 people seating capacity with a screen and projector</p>

Trainer Prerequisites for Job role: “Hank Dyer” mapped to Qualification Pack: “Hank Dyer/TSC Q7201, Version 1.0”

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “ <u>Hank Dyer/TSC Q7201</u> ,”
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organized and focused, eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Preferably equivalent to 10th (Normal literacy of reading, writing and understanding)
4a	Domain Certification	Certified for Job Role: “Hank Dyer” mapped to QP: “ <u>Hank Dyer/TSC Q7201, Version 1.0</u> ”. Minimum accepted score 80%.
4b	Platform Certification	Required that the Trainer is certified for SSC/Q 1402 Job Role: “Trainer” with atleast 80% score
5	Experience	Minimum 2 years’ experience with Hank Dyer

Annexure: Assessment Criteria

Assessment Criteria for Packing Checker	
Job Role	Hank Dyer
Qualification Pack	Hank Dyer (TSC/Q 7201)
Sector Skill Council	Textile Sector Skill Council

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 & skill practical for each PC.
2	The assessment for the theory part will be based on knowledge bank of question created by the SSC.
3	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training 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 these criteria.
5	To pass the qualification pack, every trainee should score a minimum of 70%.
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack.

National Occupational Standards (NOS)	Performance Criteria (PO)	Total Mark	Out of	Marks Allocation	
				Theory	Skills Practical /Viva
TSC/N 7201 (Carry out pre dyeing activities: desizing, scouring, bleaching etc.)	PC1.Receive the material to be dyed and weigh it	150	8	2	6
	PC2.Maintain a proper record of received yarn and date of delivery		8	3	5
	PC3.Identify the type of yarns: cotton, wool, silk, blend etc.		10	4	6
	PC4.Analyse the type of pre dyeing activities to be carried out		25	10	15
	PC5.Check that the container for carrying out pre dyeing activities is clean		8	3	5
	PC6.Ensure that the right quality of water and other chemicals is available		8	3	5
	PC7.Weigh and arrange the required chemicals for preparing the bath		8	2	6
	PC8.Prepare the bath for carrying out pre dyeing activities		10	3	7
	PC9.Ensure that the right condition (temperature, pH level etc.) of the bath is prepared		10	4	6
	PC10. Ensure proper immersion and timely rotation of yarn if required.		10	4	6
	PC11.Carry out pre dyeing activities as per the specified time limit		20	6	14
	PC12.Clean the container used for carrying out pre dyeing activities		10	4	6
	PC13.Dispose of the waste materials in the approved manner		10	4	6
	PC14.Leave the work area safe and secure when work is complete		5	2	3
Total	150	150	54	96	
TSC/N 7202 (Carry out dyeing of hank yarn)	PC1.Identify the right type of dye for dyeing the selected yarn	200	30	12	18
	PC2.Check that the container for carrying out dyeing is clean		10	4	6
	PC3.Ensure that the right quality of water, dye and other chemicals is available		12	5	7
	PC4.Weigh and arrange the required chemicals and dyes for preparing the bath		26	8	18

National Occupational Standards (NOS)	Performance Criteria (PO)	Total Mark	Out of	Marks Allocation	
				Theory	Skills Practical /Viva
	PC5.Prepare the bath for carrying out dyeing		26	8	18
	PC6.Ensure the right condition (temperature, pH level etc.) of the bath is prepared		20	8	12
	PC7.Ensure proper immersion and timely rotation of yarn if required.		20	8	12
	PC8.Carry out dyeing of selected yarn as per the specified time limit		19	5	14
	PC9.Clean the container used for carrying out dyeing		15	6	9
	PC10.Dispose of the waste materials in the approved manner		14	5	9
	PC11.Leave work area safe and secure when work is complete		8	3	5
	Total	200	200	72	128
TSC/N 7203 (Carry out finishing of dyed yarns)	PC1.Analyse the type of finishing activities (washing, soaping, softening, fixing, sizing etc.) to be carried out according to yarn, dye type and specific end used	150	28	11	17
	PC2.Weigh and arrange the required chemicals for preparing the bath		24	7	17
	PC3.Check that the container for carrying out finishing activities is clean		8	2	6
	PC4.Ensure that the right quality of water and other chemicals is available		10	4	6
	PC5.Prepare the bath for carrying out finishing activities		25	10	15
	PC6.Carry out required finishing activities		20	6	14
	PC7.Depending upon the type of dye used, follow the technique for drying (sunlight or shade etc.)		15	6	9
	PC8.Dispose of the waste materials in the approved manner		10	4	6
	PC9.Leave work area safe and secure when work is complete		10	4	6
	Total	150	150	54	96

National Occupational Standards (NOS)	Performance Criteria (PO)	Total Mark	Out of	Marks Allocation	
				Theory	Skills Practical /Viva
TSC/N 9005 (Maintain work area, tools and machines in handloom sector)	PC1.Handle materials and tools safely and correctly	50	5	2	3
	PC2.Use correct lifting and handling procedures		3	1	2
	PC3.Use materials to minimize waste		3	1	2
	PC4.Maintain a clean and hazard free working area		3	1	2
	PC5.Maintain the tools and equipment		5	2	3
	PC6.Carry out maintenance and/or cleaning within one's responsibility		5	2	3
	PC7.Identify damaged tools and materials and take action according to the standards followed		5	2	3
	PC8.Ensure that the correct tools and yarn required are in place		3	1	2
	PC9.Work in a comfortable position with the correct posture		3	1	2
	PC10.Use cleaning equipment and methods appropriate for the work to be carried out		3	1	2
	PC11.Dispose of waste safely in the designated location		4	2	2
	PC12.Store cleaning equipment safely after use		3	1	2
	PC13.Carry out cleaning according to schedule and limits of responsibility		5	2	3
	Total		50	50	19
TSC/N 9006 (Working in a team in handloom sector)	PC1.Be accountable to the own role in whole process	50	6	2	4
	PC2.Perform all roles with full responsibility		5	1	4
	PC3.Be effective and efficient at workplace		4	2	2
	PC4.Properly communicate about workplace policies		5	2	3
	PC5.Talk politely with other team members and colleagues		5	2	3
	PC6.Submit daily report of own performance		6	2	4
	PC7.Adjust in different work situations		5	2	3

National Occupational Standards (NOS)	Performance Criteria (PO)	Total Mark	Out of	Marks Allocation	
				Theory	Skills Practical /Viva
	PC8.Give due importance to others' point of view		5	2	3
	PC9.Avoid conflicting situations		5	2	3
	PC10.Improve upon the existing techniques to increase process efficiency		4	2	2
	Total	50	50	19	31
TSC/N 9007 (Maintain health, safety and security at workplace in handloom sector)	PC1.Comply with health and safety related instructions applicable to the workplace	100	6	2	4
	PC2.Use and maintain personal protective equipment as per protocol		6	2	4
	PC3.Carry out own activities in line with approved guidelines and procedures		4	1	3
	PC4.Maintain a healthy lifestyle and guard against dependency on intoxicants		4	1	3
	PC5.Follow environment management system related procedures		4	1	3
	PC6.Store materials and tools in line with manufacturer's and Cooperative Society/NGO/SHG requirements		4	2	2
	PC7.Safely handle and move waste and debris		4	2	2
	PC8.Minimize health and safety risks to self and others due to own actions		6	2	4
	PC9.Monitor the work place and work processes for potential risks and threats		6	2	4
	PC10.Carry out periodic walk –through to keep work area free from hazards and obstructions, if assigned		6	2	4
	PC11.Participate in mock drills/ evacuation procedures organized at the workplace		4	2	2
	PC12.Undertake first aid, fire-fighting and emergency response training, if asked to do so		6	2	4
	PC13.Take action based on instructions in the event of fire, emergencies or accidents		6	2	4
	PC14.Follow Cooperative Society/NGO/SHG procedures for evacuation when required		4	1	3
	PC15.Identify different kinds of possible hazards (environmental, personal, ergonomic, and chemical) of the		4	1	3

National Occupational Standards (NOS)	Performance Criteria (PO)	Total Mark	Out of	Marks Allocation	
				Theory	Skills Practical /Viva
	industry				
	PC16. Recognise other possible security issues existing in the workplace		4	1	3
	PC17. Planning the safety techniques		5	2	3
	PC18. Recognise different measures to curb the hazards		4	1	3
	PC19. Implementing the programs		5	2	3
	PC20. Communicate the safety plan to everyone		4	1	3
	PC21. Attach disciplinary rules with the implementation		4	1	3
	Total	100	100	33	67
TSC/N 9008 (Comply with work place requirements in handloom sector)	PC1. Perform own duties effectively	50	5	2	3
	PC2. Take responsibility for own actions		5	2	3
	PC3. Be accountable towards the job role and assigned duties		5	2	3
	PC4. Take initiative and innovate the existing methods		3	1	2
	PC5. Focus on self-learning and improvement		5	2	3
	PC6. Co-ordinate with all the team members and colleagues		5	2	3
	PC7. Communicate politely		5	2	3
	PC8. Avoid conflicts and miscommunication		5	2	3
	PC9. Know the organisational standards		5	2	3
	PC10. Implement them in your performance		5	2	3
	PC11. Motivate others to follow them		2	1	1
	Total		50	50	20
Grand Total		750	750	271	479

