

Model Curriculum

Material Preparation Worker (Ceramics)

SECTOR: HANDICRAFTS AND CARPET
SUB-SECTOR: CERAMICS
OCCUPATION: BLUE POTTERY MAKING
REF ID: HCS/Q0702, V1.0
NSQF LEVEL: 3



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

HANDICRAFTS AND CARPET SECTOR SKILL COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of

Job Role/Qualification Pack: **'Material Preparation Worker (Ceramics)'** No. ('HCS/Q0702, V1.0
NSQF Level 3')

Date of Issuance: 09/07/2015

Valid up to: 09/07/2023

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



Authorized Signatory

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Material Preparation Worker (Ceramics)

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Material Preparation Worker (Ceramics)”, in the “Handicrafts and Carpet” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Material Preparation Worker (Ceramics)		
Qualification Pack Name & Reference ID.	HCS/Q0702, v1.0		
Version No.	1.0	Version Update Date	12/09/2019
Pre-requisites to Training	5th pass		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Identify the different types of raw materials used in making ceramics. • Examine the size of raw material based on standard operating parameters in order to preparing the batch. • Explain the different types of sieving mechanisms required for sieving the grounded raw material based on job specification. • Perform quality inspection process based on standard quality parameters. • Carry out maintenance of work area and tools. • Interpret the business techniques used for preparing the periodic schedules for production. 		

This course encompasses 5 out of 5 NOS (National Occupational Standards) of “Material Preparation Worker (Ceramics)” Qualification Pack issued by “Handicrafts and Carpet Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Introduction to Ceramics Industry in India</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> List the different types of Ceramics products manufactured in India. Discuss the importance of identifying Ceramics based on its physical, chemical and operational properties. Identify the different types of tools and equipment used by a sieving artisan. 	Spatulas, Jiffy mixer, spray gun and atomizers, measuring cups and scoops, Hydrometers, hand, gloves, safety boots, eye glass, weighing machine.
2	<p>Clean the grounded raw material</p> <p>Theory Duration (hh:mm) 15:00</p> <p>Practical Duration (hh:mm) 35:00</p> <p>Corresponding NOS Code HCS/N0702</p>	<ul style="list-style-type: none"> Discuss the importance of role of sieving artisan in the ceramics industry. Explain the use of different types of sieve required for different types of grounded raw material received from grinding operator such as iron and wood. List down the different testing process required for sampling the material before further processing. Perform the analyzing process based on standard operating parameters required for size of sieving and approved raw material. Prepare a sample format/template in order to capture the details for raw material, sieving, mechanism process and loss of material during the sieving process. Select the process of sieving for further processing based on standard operating mechanisms like vibrational, wet, horizontal, dry, tap and air jet sieving. Identify the grinding wheel based on standard parameters material, grain size, wheel grade, grain spacing, bond type and material hardness Arrange the tools, equipment and machining required for sieving process based on standard 	Spatulas, Jiffy mixer, spray gun and atomizers, measuring cups and scoops, Hydrometers, hand, gloves, safety boots, eye glass, weighing machine.

3	<p>Sieving the grounded raw material</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HCS/N0702</p>	<p>operating parameters.</p> <ul style="list-style-type: none"> Discuss the importance of examine the approved raw material based on standard operating procedures for further processing. Demonstrate the use of jiffy mixer while preparing a large batch and spatulas based on standard raw material parameters like size, physical properties and quantity. Perform the use of spray gun & atomizers for large batches in much faster time. Demonstrate the process of visual inspection during sieving operation in order to ensure the removing of unwanted particles from the base should be taken place. Collect the unwanted particles from the base in a large bin/container while following standard organizational parameters. Apply the standard operating procedures in order to analyze the approved work scheduled for daily basis from the supervisor. Perform the standard operating procedures based on the approved job sheet in order to ensure the correct dimensions, surfaces and thickness of the ceramics for further sieving process. Perform the cleaning process based on standard operating procedures after sieving process. Review the final finished base for further analyzing and testing process based on standard operating parameters. Demonstrate the preventive and precautionary measures while keeping the fine material in a place in order to avoid the mixing of clean grounded material with unclean grounded raw material. 	<p>Spatulas, Jiffy mixer, spray gun and atomizers, measuring cups and scoops, Hydrometers, hand, gloves, safety boots, eye glass, weighing machine.</p>
4	<p>Coordinate with colleagues and work as a team</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 25:00</p>	<ul style="list-style-type: none"> Explain the importance of obtaining clarity on daily schedules and timely delivery at workplace Explain the importance of obtaining clarity on daily schedules and timely delivery at workplace. Describe the different types of situations that lead to conflicts/ tensions within teams. Identify the ways of reducing/ eliminating conflicts/ tensions at workplace through proper communication. Describe the importance of implementing innovations/ new ideas and processes within organizational standards. Establish medium of communication with supervisor in order to develop clear understanding on organizational standards and 	

	<p>Practical Duration (hh:mm) 20:00</p> <p>Corresponding NOS Code HCS/N9904</p>	<p>of raw materials.</p> <ul style="list-style-type: none"> • Preform standard organizational procedures in order to eliminate the grievances/issues that are raised by the employees • Perform standard organizational activities in order to develop a clear communication medium for highlight the issues of team members. • Explain the important parameters required for managing book records. • Prepare a sample report/template based on standard organizational parameters in order to capture the production records, cost calculations consumption of raw materials and tools 	
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SNo.	Module	Key Learning Outcomes	Equipment Required
	<p>COMPULSORY NOS:</p> <p>Total Duration 215:00</p> <p>Theory Duration 75:00</p> <p>Practical Duration 140:00</p>	<p>Unique Equipment Required: Spatulas, Jiffy mixer, spray gun and atomizers, measuring cups and scoops, Hydrometers, hand, gloves, safety boots, eye glass, weighing machine.</p> <p>Classroom Aids: White Board, Marker Pen, Computer, Projector</p>	

Grand Total Course Duration: 215 hours, 0 minutes

(This syllabus/curriculum has been approved by [Handicrafts and Carpet Sector Skill Council](#))

Trainer Prerequisites for Job role: “Material Preparation Worker (Ceramics)” mapped to Qualification Pack: “HCS/Q0702, v1.0”

Sr. No.	Area	Details
1	Description	The individual at work is responsible for filtering out the unwanted particles from the grounded raw material using the iron sieve for further processing.
2	Personal Attributes	The job requires the individual to have: good eye sight, visual observational ability, ability to work independently, quality orientation, health safety, willing to wear protective gears and stamina for working under different environmental conditions in the open area. .
3	Minimum Educational Qualifications	5 th Pass
4a	Domain Certification	Certified for Job Role: “ <u>Material Preparation Worker (Ceramics)</u> ” mapped to QP:“ <u>HCS/Q0702, v1.0</u> ”. Minimum accepted score is 80%
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “ <u>MEP/Q2601</u> ”. Minimum accepted % as per respective SSC guidelines is 80%.
5	Experience	<ul style="list-style-type: none"> • Total 3 Years’ experience, • 2 Years of sector-specific experience, • Min. 1 year of teaching experience

Annexure: Assessment Criteria

“For the Assessment Criteria, please refer to the QP PDF.”