



COMPETENCY STANDARD

Glazing for Tiles

Level: 1

(Ceramic Sector)

Competency Standard Code: CS-CER-GLZT-L1-EN-V2



**National Skills Development Authority
PEdge Minister's Office
Government of the People's Republic of Bangladesh**

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This Competency Standard for **Glazing for Tiles** is a document for the development of curricula, teaching and learning materials, and assessment tools. It also serves as the document for providing training consistent with the requirements of industry in order to meet the qualification of individuals who graduated through the established standard via competency- based assessment for a relevant job.

This document has been validated by NSDA in association with Light Engineering Sector, industry representatives, academia, related specialist, trainer and related employee.

Public and private institutions may use the information contained in this standard for activities benefitting Bangladesh.

Introduction

The NSDA aims to enhance an individual's employability by certifying completeness with skills. NSDA works to expand the skilling capacity of identified public and private training providers qualitatively and quantitatively. It also aims to establish and operationalize a responsive skills ecosystem and delivery mechanism through a combination of well-defined set of mechanisms and necessary technical supports.

Key priority economic growth sectors identified by the government have been targeted by NSDA to improve current job skills along with existing workforce to ensure required skills to industry standards. Training providers are encouraged and supported to work with industry to address identified skills and knowledge to enable industry growth and increased employment through the provision of market responsive inclusive skills training program. **"Glazing for Tiles"** is selected as one of the priority occupations of **Ceramic Sector**. This standard is developed to adopt a demand driven approach to training with effective inputs from Industry Skills Councils (ISC's), employer associations and employers.

Generally, a competency standard informs curriculum, learning materials, assessment and certification of trainees enrolled in Skills Training. Trainees who successfully pass the assessment will receive a qualification in the Bangladesh National Qualification Framework (BNQF) and will be listed on the NSDA's online portal.

This competency standard is developed to improve skills and knowledge in accordance with the job roles, duties and tasks of the occupation and ensure that the required skills and knowledge are aligned to industry requirements. A series of stakeholder consultations, workshops were held to develop this document.

The document also details the format, sequencing, wording and layout of the Competency Standard for an occupation which is comprised of Units of Competence and its corresponding Elements.

Overview

A competency standard is a written specification of the knowledge, skills and attitudes required for the performance of an occupation, trade or job corresponding to the industry standard of performance required in the workplace.

The purpose of a competency standards is to:

- provide a consistent and reliable set of components for training, recognising and assessing people's skills, and may also have optional support materials
- enable industry recognised qualifications to be awarded through direct assessment of workplace competencies
- encourage the development and delivery of flexible training which suits individual and industry requirements
- encourage learning and assessment in a work-related environment which leads to verifiable workplace outcomes

Competency standards are developed by a working group comprised of representative from NSDA, Key Institutions, ISC, and industry experts to identify the competencies required of an occupation in **Ceramic Sector**.

Competency standards describe the skills, knowledge and attitude needed to perform effectively in the workplace. CS acknowledge that people can achieve technical and vocational competency in many ways by emphasizing what the learner can do, not how or where they learned to do it.

With competency standards, training and assessment may be conducted at the workplace or at training institute or any combination of these.

Competency standards consist of a number of units of competency. A unit of competency describes a distinct work activity that would normally be undertaken by one person in accordance with industry standards.

Units of competency are documented in a standard format that comprises of:

- unit title
- nominal duration
- unit code
- unit descriptor
- elements and performance criteria
- variables and range statement
- curricular content guide
- assessment evidence guides

Together, all the parts of a unit of competency:

- describe a work activity
- guide the assessor to determine whether the candidate is competent or not yet competent

The ensuing sections of this document comprise of a description of the relevant occupation, trade or job with all the key components of a unit of competency, including:

- a chart with an overview of all Units of Competency for the relevant occupation, trade or job including the Unit Codes and the Unit of Competency titles and corresponding Elements
- the Competency Standard that includes the Unit of Competency, Unit Descriptor, Elements and Performance Criteria, Range of Variables, Curricular Content Guide and Assessment Evidence Guide.

Competency Standards for National Skill Certificate, Level-1 in Glazing for Tiles in Ceramic Sector

Level Descriptors of Skills Sector (BNQF 1-6)

Level & Job classification	Knowledge Domain	Skills Domain	Responsibility Domain
6-Mid-Level Manager/ Sub Assistant Engineer	Comprehensive actual and theoretical knowledge within a specific work or study area with an awareness of the validity and limits of that knowledge, able to analyse, compare, relate and evaluate.	Specialised and wider range of cognitive and practical skills required to provide leadership in the development of creative solutions to defined problems. Communicate professional issues and solutions to the team and to external partners/users.	Work under broad guidance and self-motivation to execute strategic and operational plan/s. Lead lower-level management. Diagnose and resolve problems within and among work groups.
5-Supervisor	Broad knowledge of the underlying, concepts, principles, and processes in a specific work or study area, able to scrutinize and break information into parts by identifying motives or causes.	Broad range of cognitive and practical skills required to generate solutions to specific problems in one or more work or study areas. Communicate practice-related problems and possible solutions to external partners.	Work under guidance of management and self-direction to resolve specific issues. Lead and take responsibility for the work and actions of group/team members. Bridge between management.
4-Highly Skilled Worker	Broader knowledge of the underlying, concepts, principles, and processes in a specific work or study area, able to solve problems to new situations by comparing and applying acquired knowledge.	A range of cognitive and practical skills required to accomplish tasks and solve problems by selecting and applying the full range of methods, tools, materials and information. Communicate using technical terminology and IT technology with partners and users as per workplace requirements.	Work under minimal supervision in specific contexts in response to workplace requirements. Resolve technical issues in response to workplace requirements and lead/guide a team/ group.
3-Skilled Worker	Moderately broad knowledge in a specific work or study area, able to perceive ideas and abstract from drawing and design according to workplace requirements.	Basic cognitive and practical skills required to use relevant information in order to carry out tasks and to solve routine problems using simple rules and tools. Communicate with his team and limited external partners upholding the values, nature and culture of the workplace	Work or study under supervision with considerable autonomy. Participate in teams and responsible for group coordination.
2-Semi Skilled Worker	Basic understanding of underpinning knowledge in a specific work or study area, able to interpret and apply common occupational terms and instructions.	Skills required to carry out simple tasks, communicate with his team in the workplace presenting and discussing results of his work with required clarity.	Work or study under supervision in a structured context with limited scope of manipulation
1 –Basic Skilled Worker	Elementary understanding of ability to interpret the underpinning knowledge in a specific study area, able to interpret common occupational terms and instructions.	Specific Basic skills required to carry out simple tasks. Interpret occupational terms and present the results of own work within guided work environment/ under supervision.	Work under direct supervision in a structured context with limited range of responsibilities.

List of Abbreviations

CS	Competency Standard
ISC	Industry Skills Council
NSDA	National Skills Development Authority
BNQF	Bangladesh National Qualifications Framework
OSH	Occupational Safety and Health
PPE	Personal Protective Equipment
SCVC	Standards and Curriculum Validation Committee
STP	Skills Training Provider
SOP	Standard Operating Procedure
UoC	Unit of Competency
ISO	International Organization for Standardization
OSH	Occupational Safety and Health
PPE	Personal Protective Equipment
SOP	Standard Operating Procedures

**Approval of Competency Standard
(Reviewed)**

Approved By
47th Authority Meeting of NSDA
Held on 23.05.2026

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**Competency Standards for National Skill Certificate, Level- 1 in
Glazing in Ceramic Sector**

Course Structure

Sl. No	Unit code and Title		UOC Level	Nominal (hours)
Generic Units of Competencies				
1.	GU-01-L2-V1	Perform Computations Using Basic Mathematical Concepts	1	15
2.	GU-02-L2-V1	Apply Occupational Safety and Health (OSH) Procedure in the Workplace	1	15
3	GU-06-L1-V1	Practice House Keeping Procedure	1	10
Sub Total				40
Sector Specific Units of Competencies				
4	SU-CER-01-L1-V1	Interpret Activities of Ceramic Industry in Bangladesh	1	20
5	SU-CER-02-L1-V1	Use Measuring and Checking Tools and Instruments	1	20
Sub Total				40
Occupation Specific Units of Competencies				
6.	OU-CER-GLZT-02-L1-V2	Carry Out Waterfall Glazing	1	80
7.	OU-CER-GLZT-03-L1-V2	Carry Out Edge Cutting and Coating of Tiles	1	80
8.	OU-CER-GLZT-04-L1-V2	Carry Out Spray Glazing	1	70
Sub Total				230
Total Duration				310

Units & Elements at Glance

Generic Competencies-40 hours

Code	Unit of competency	Elements of competency	Duration (hours)
GU-01-L2-V1	Perform Computations Using Basic Mathematical Concepts	1. Identify calculation requirements in the workplace 2. Select appropriate mathematical methods for the calculation. 3. Use tool/instrument to perform calculations	15
GU-02-L2-V1	Apply Occupational Safety and Health (OSH) procedure In the Workplace	1. Identify OSH policies and procedures 2. Follow OSH procedure 3. Report hazards and risks 4. Respond to emergencies 5. Maintain personal well-being	15
GU-06-L1-V1	Practice House Keeping Procedure	1. Sort and remove unnecessary items 2. Arrange items 3. Maintain work area, tools and equipment 4. Follow standardized work process and procedure 5. Perform work spontaneously.	10
Total hours			40

Sector specific competencies-40 hours

Code	Unit of competency	Elements of competency	Duration (hours)
SU-CER-01-L1-V1	Interpret Activities of Ceramic Industry in Bangladesh	1. Identify job roles and responsibilities 2. Identify and observe OSH 3. Plan work activities 4. Work with others	20
SU-CER-02-L1-V1	Use Measuring and Checking Tools and Instruments	1. Prepare for work 2. Select the job to be measured and checked 3. Select measuring and checking tools and instruments 4. Take and check measurements 5. Record and communicate measurement 6. Clean and store measuring and checking instruments	20
Total hours			40

Occupation specific competencies-230 hours

Code	Unit of competency	Elements of competency	Duration (hours)
OU-CER-GLZ-02-L1-V1	Carry Out Waterfall Glazing	1. Follow OSH practices 2. Prepare glazing equipment and product 3. Apply glaze to formed products 4. Rectify routine problems 5. Clean and maintain work area, tools and equipment	80
OU-CER-GLZ-03-L1-V1	Carry Out Edge Cutting and Coating of Tiles	1. Follow OSH practices 2. Carry out foot cutting operation 3. Carry out coating operation 4. Identify common faults 5. Clean and maintain work area, tools and equipment	80
OU-CER-GLZ-04-L1-V1	Carry Out Spray Glazing	1. Follow OSH practices 2. Prepare for spraying 3. Prepare tiles 4. Perform spraying on tiles 5. Rectify routine problems 6. Clean and maintain work area, tools and equipment	70
Total Hours			230

Generic Units of Competency

Unit Code and Title	GU-01-L2-V1: Perform Computations Using Basic Mathematical Concepts
Unit Descriptor	This unit of competency requires the knowledge, skills and attitude to perform computations using basic mathematical concepts in the workplace. It specifically includes the tasks of identifying calculation requirements in the workplace, selecting appropriate mathematical method/concept for the calculation and using appropriate instruments tools to perform calculation.
Nominal Hours	15 Hours
Elements of Competency	Performance Criteria Bold & Underlined terms are elaborated in the Range of Variables Training Components
1. Identify calculation requirements in the workplace	1.1 Job requirements are identified 1.2 <u>Measurements</u> are selected in accordance with job requirement 1.3 Calculation requirements are identified from <u>workplace information</u>
2. Select appropriate mathematical methods for the calculation.	2.1 Mathematical methods are identified 2.2 <u>Appropriate method</u> is selected to carry out the calculation r equirements 2.3 Tolerance and clearance limits are identified and adjusted according to the job requirements
3. Use tool/instrument to perform calculations	3.1 Work instructions are confirmed and applied to the job in hand 3.2 Materials to be measured are identified as per job specification 3.3 Appropriate <u>tool/ instrument</u> is selected based on materials to be measured
Range of Variables	
Variable	Range (may include but not limited to)
1. Measurements	1.1 Length 1.2 Width 1.3 Weight 1.4 Tolerance
2. workplace information	2.1 Job Order 2.2 Design 2.3 Working drawing 2.4 Verbal instructions 2.5 Written Instruction
3. Appropriate method	3.1 Addition 3.2 Subtraction 3.3 Division 3.4 Multiplication 3.5 Conversion

	3.6 Percentage and ratio calculation
4. Tool/ Instrument	4.1 Calculator 4.2 Scale 4.3 Measuring tape 4.4 Marker
Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	
1. Critical Aspects of Competency	Assessment required evidence that the candidate: 1.1 identified calculation requirements from workplace information 1.2 selected appropriate method to carry out the calculation requirements 1.3 selected measurements 1.4 selected appropriate methods 1.5 used tool/instrument 1.6 added numbers 1.7 subtracted numbers 1.8 multiplied numbers. 1.9 divided numbers. 1.10 completed calculations using appropriate tools/instruments
2. Underpinning Knowledge	2.1. Numerical concept 2.2. Basic mathematical methods such as addition, subtraction, multiplication and division and percentage. 2.3. Mathematical language, symbols and terminology. 2.4. Measuring units
3. Underpinning Skills	3.1 Interpret numerical concept 3.2 Interpret mathematical methods such as addition, subtraction, multiplication and division and percentage. 3.3 Interpret mathematical language, symbols and terminology. 3.4 Interpret measuring units
4. Underpinning Attitudes	4.1. Commitment to occupational health and safety 4.2. Environmental concerns 4.3. Eagerness to learn 4.4. Tidiness and timeliness 4.5. Respect for rights of peers and seniors in workplace 4.6. Communication with peers and seniors in workplace
5. Resource Implications	5.1. Work place Procedure 5.2. Materials relevant to the proposed activity 5.3. All tools, equipment, material and documentation required. 5.4. Relevant specifications or work instructions
6. Methods of Assessment	6.1. Written Test 6.2. Demonstration

	6.3. Oral Questioning
7. Context of Assessment	7.1. Competency assessment must be done in a NSDA accredited assessment center 7.2. Assessment should be done by an NSDA certified/ nominated assessor
Accreditation Requirements Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.	

Unit Code and Title	GU-02-L2-V1: Apply Occupational Safety and Health (OSH) Procedure in the Workplace
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to apply occupational safety and health (OSH) procedure in the workplace. It specifically includes the task of identifying OSH policies and procedures, following OSH procedure, reporting hazards and risks, responding to emergencies and maintaining personal well-being.
Nominal Hours	15 Hours
Elements of Competency	Performance Criteria <u>Bold & Underlined</u> terms are elaborated in the Range of Variables
1. Identify OSH policies and procedures	1.1. <u>OSH policies</u> and <u>safe operating procedures</u> are accessed and stated 1.2. <u>Safety signs and symbols</u> are identified and followed 1.3. Emergency response, evacuation procedures and other contingency measures are determined according to workplace requirements
2. Follow OSH procedure	2.1 <u>Personal protective equipment (PPE)</u> is selected and collected as required 2.2 Personal protective equipment (PPE) is correctly used in accordance with organization OSH procedures and practices 2.3 A clear and tidy workplace is maintained as per workplace standard 2.4 PPE is maintained to keep them operational and compliant with OSH regulations
3. Report hazards and risks	3.1 <u>Hazards</u> and risks are identified, assessed and controlled 3.2 Incidents arising from hazards and risks are reported to designated authority
4. Respond to emergencies	4.1 Alarms and warning devices are responded 4.2 Workplace <u>emergency procedures</u> are followed 4.3 <u>Contingency measures</u> during workplace accidents, fire and other emergencies are recognized and followed in accordance with organization procedures 4.4 First aid procedures are applied during emergency situations
5. Maintain personal well-being	5.1 OSH policies and procedures are adhered to OSH awareness programs are participated in as per workplace guidelines and procedures. 5.2 Corrective actions are implemented to correct unsafe condition in the workplace

	5.3 <u>“Fit to work” records</u> are updated and maintained according to workplace requirements
Range of Variables	
Variables	Range (may include but not limited to):
1. OSH policies	1.1. Bangladesh standards for OSH 1.2. Fire Safety Rules and Regulations 1.3. Code of Practice 1.4. Industry Guidelines
2. Safe operating procedures	2.1 Orientation on emergency exits, fire extinguishers, fire escape, etc. 2.2 Emergency procedures 2.3 First Aid procedures 2.4 Tagging procedures 2.5 Use of PPE 2.6 Safety procedures for hazardous substances
3. Safety signs and symbols	3.1 Direction signs (exit, emergency exit, etc.) 3.2 First aid signs 3.3 Danger Tags 3.4 Hazard signs 3.5 Safety tags 3.6 Warning signs
4. Personal Protective Equipment (PPE)	4.1 Gas Mask 4.2 Gloves 4.3 Safety boots 4.4 Face mask 4.5 Overalls 4.6 Goggles and safety glasses 4.7 Sun block 4.8 Chemical/Gas detectors
5. Hazards	5.1 Chemical hazards 5.2 Biological hazards 5.3 Physical Hazards 5.4 Mechanical and Electrical Hazard 5.5 Mental hazard 5.6 Ergonomic hazard
6. Emergency procedures	6.1 Fire fighting 6.2 Earthquake 6.3 Medical and first aid 6.4 Evacuation

7. Contingency measures	7.1 Evacuation 7.2 Isolation 7.1 Decontamination
8. "Fit to Work" records	8.1 Medical Certificate every year 8.2 Accident reports, if any 8.3 Eye vision certificate
Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 stated OSH policies and safe operating procedures 1.2 followed safety signs and symbols 1.3 used personal protective equipment (PPE) 1.4 maintained workplace clear and tidy 1.5 assessed and Controlled hazards 1.6 followed emergency procedures 1.7 followed contingency measures 1.8 implemented corrective actions
2. Underpinning knowledge	2.1 Define OSH 2.2 OSH Workplace Policies and Procedures 2.3 Work safety procedures 2.4 Emergency procedures 2.5 Hazard control procedure 2.6 Different types of hazards 2.7 PPE and there uses 2.8 Personal hygiene practices 2.9 OSH awareness
3. Underpinning skills	3.1 Accessing OSH policies 3.2 Using of PPE 3.3 Handling cleaning tools and equipment 3.4 Writing report 3.5 Responding to emergency procedures
4. Required attitude	4.1 Commitment to occupational health and safety 4.2 Sincere and honest to duties 4.3 Promptness in carrying out activities 4.4 Environmental concerns 4.5 Eagerness to learn 4.6 Tidiness and timeliness 4.7 Respect of peers and seniors in workplace 4.8 Communicate with peers and seniors in workplace
5. Resource implications	5.1 Workplace

	5.2 Equipment and outfits appropriate in applying safety measures 5.3 Tools, equipment, materials and documentation required 5.4 OSH Policies and Procedures
6. Methods of assessment	Competency should be assessed by: 6.1 Written test 6.2 Demonstration 6.3 Oral questioning
7. Context of assessment	7.1 Competency assessment must be done in NSDA accredited assessment centre 7.2 Assessment should be done by a NSDA certified/nominated assessor
Accreditation Requirements Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.	

Unit Code and Title	GU-06-L1-V1: Practice House Keeping Procedure
Unit Descriptor	This unit covers the knowledge, skills and attitude required to Practice housekeeping procedure. It specifically includes sorting and removing unnecessary items, arranging items, maintaining work area, tools and equipment, following standardized work process and procedure and performing work spontaneously.
Nominal Hours	10 Hours
Elements of Competency	Performance Criteria <u>Bold underlined</u> terms are elaborated in the Range of Variables
1. Sort and remove unnecessary items	1.1 Reusable, recyclable materials are sorted in accordance with company/office procedures; 1.2 <u>Unnecessary items</u> are removed and disposed of in accordance with company or office procedures.
2. Arrange items	2.1 Items are arranged in accordance with company/office housekeeping procedures; 2.2 Work area is arranged according to job requirements; 2.3 Activities are prioritized based on instructions; 2.4 Items are provided with clear and visible <u>identification marks</u> based on procedure; 2.5 Safety equipment and evacuation passages are kept clear and accessible based on instructions.
3. Maintain work area, tools and equipment	3.1 Cleanliness and orderliness of work area is maintained in accordance with company/office procedures; 3.2 Tools and equipment are cleaned in accordance with manufacturer's instructions/manual; 3.3 <u>Minor repairs</u> are performed on tools and equipment in accordance with manufacturer's instruction/manual; 3.4 Defective tools and equipment are reported to immediate supervisor.
4. Follow standardized work process and procedure	4.1 Materials for common use are maintained in designated area based on procedures; 4.2 Work is performed according to standard work procedures. Abnormal incidents are reported to immediate supervisor.
5. Perform work spontaneously	5.1 Work is performed as per instruction; 5.2 Company and office <u>decorum</u> are followed and complied with; 5.3 Work is performed in accordance with OSH requirements.
Range of Variables	

Variable	Range (may include but not limited to):
1. Unnecessary items	1.1 Non-recyclable materials 1.2 Pictures, posters and other materials not related to work activity 1.3 Unserviceable tools and equipment 1.4 Waste materials
2. Identification marks	2.1 Color coding 2.2 Labels 2.3 Tags
3. Minor repairs	3.1 Application of lubricants 3.2 Replacement of parts 3.3 Sharpening of tools 3.4 Tightening of nuts, bolts and screws
4. Decorum	4.1 Behavior 4.2 Company/office rules and regulations 4.3 Company/office uniform
Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent, recent and meet all requirements of current version of the Unit of Competency.	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 sorted and removes unnecessary items 1.2 arranged items 1.3 maintained work area, tools and equipment 1.4 followed standardized work process and procedures 1.5 performed work spontaneously.
2. Underpinning knowledge	2.1 Environmental requirements relative to work safety 2.2 Principles of 5S 2.3 Reading skills required to interpret instructions 2.4 Work process and procedures 2.5 Work-related documentation requirements.
3. Underpinning skills	3.1 Arranging items 3.2 Maintaining work area, tools and equipment 3.3 Following standardizing work process

4. Underpinning attitude	4.1 Commitment to occupational health and safety 4.2 Promptness in carrying out activities 4.3 Sincere and honest to duties 4.4 Environmental concerns 4.5 Eagerness to learn 4.6 Tidiness and timeliness 4.7 Respect for rights of peers and seniors in workplace 4.8 Communication with peers and seniors in workplace.
5. Resource implications	The following resources must be provided: 5.1 work place procedure 5.2 materials relevant to the proposed activity 5.3 all tools, equipment, material and documentation required. 5.4 relevant specifications or work instructions.
6. Methods of assessment	Methods of assessment may include but not limited to: 6.1 written test 6.2 demonstration 6.3 oral questioning 6.4 portfolio
7. Context of assessment	7.1 Competency assessment must be done in NSDA accredited assessment centre 7.2 Assessment should be done by a NSDA certified/nominated assessor
Accreditation Requirements Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.	

Sector Specific Units of Competency

Unit Code and Title	SU-CER-01-L1-V1: Interpret Activities of Ceramic Industry in Bangladesh
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to work in the ceramic industry. It includes identifying job roles and responsibilities and observing OSH, planning work activities and working with others.
Nominal Hours	20 Hours
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Identify job roles and responsibilities	1.1 Job roles and responsibilities are identified. 1.2 Relationships within the ceramic industry employees are identified.
2. Identify and observe OSH	2.1 <u>Personal Protective Equipment (PPE)</u> is identified and observed. 2.2 Safe work practices are followed when using equipment in the work environment. 2.3 <u>Hazards</u> related to workplace are identified.
3. Plan work activities	3.1 Common goals, objectives and tasks are identified and clarified with appropriate persons. 3.2 Individual tasks are determined and agreed on in accordance with workplace environment.
4. Work with others	4.1 <u>Effective interpersonal skills</u> are applied to interact with others and to contribute to activities and objectives. 4.2 Assigned tasks are performed in accordance with job requirements, specifications and workplace environment. 4.3 Work requirements are confirmed with colleagues
Range of Variables	
Variables	Range (may include but not limited to):
1. Personal Protective Equipment (PPE)	1.1 Apron 1.2 Hair net / Cap 1.3 Hand gloves 1.4 Goggles 1.5 Safety shoes 1.6 Mask 1.7 Ear-protector
2. Hazards	2.1 Mechanical hazards 2.2 Electrical hazards 2.3 Fire hazard 2.4 Chemical hazard

	2.5 Sound hazard 2.6 Environmental hazard and other workplace hazards
3. Effective interpersonal skills	3.1 Basic listening and speaking skills 3.2 Use of terminology and jargon 3.3 Communicating and receiving feedback 3.4 Interpretation of instructions, and 3.5 Basic principles of effective communication
Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	
1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 identified job roles and responsibilities; and 1.2 demonstrated working in the ceramic industry.
2. Underpinning knowledge	2.1 Safety rules and procedure. 2.2 Safety requirements in handling tools. 2.3 Working with others.
3. Underpinning skills	3.1 Reading skills required to interpret work instruction and numerical skills. 3.2 Communicating skills. 3.3 Problem solving in emergency situation.
4. Underpinning attitudes	4.1 Commitment to occupational health and safety 4.2 Environmental concerns 4.3 Eagerness to learn 4.4 Tidiness and timeliness 4.5 Respect for rights of peers and seniors in workplace.
5. Resource implications	The following resources must be provided 5.1. workplace (actual or simulated) 5.2. tools, spares parts & physical facilities appropriate to perform activities. 5.3. materials, consumable to perform activities.
6. Methods of assessment	6.1 Demonstration 6.2 Oral questioning 6.3 Written test
7. Context of assessment	7.1 Competency assessment must be done in NSDA accredited assessment centre 7.2 Assessment should be done by a NSDA certified/nominated assessor

Accreditation Requirements

Training Providers must be accredited by NSDA, the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

Unit Code and Title	SU-CER-02-L1-V1: Use Measuring and Checking Tools and Instruments
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to use measuring and checking tools and instruments. It includes the tasks of preparing for work, selecting the job, selecting measuring and checking tools and instruments, taking and checking measurements, recording measurements, cleaning and storing measuring and checking instruments.
Nominal Hours	20 Hours
Elements of Competency	Performance Criteria <u>Bold & Underlined</u> terms are elaborated in the range of variables
1. Prepare for work	1.1 <u>Safe work practices</u> are observed and <u>Personal Protective Equipment (PPE)</u> worn as required for the work performed 1.2 <u>Hazards</u> are identified and risks are minimized and controlled 1.3 <u>Measuring and checking tools and instruments</u> are selected and collected for use.
2. Select the job to be measured and checked	2.1 Jobs to be measured are identified; 2.2 Jobs to be checked are identified; 2.3 <u>Documents</u> and specifications are interpreted.
3. Select measuring and checking tools and instruments	3.1 Measuring and checking instrument are selected according to job requirements; 3.2 Tolerance and/or clearance, limits are interpreted from the drawing.
4. Take and check measurements	4.1 Measuring and checking instruments are calibrated to ensure accurate reading/measurement; 4.2 <u>Routine adjustments</u> are done as required; 4.3 <u>Measurements</u> are taken precisely/accurately as per supplied drawing or manual; 4.4 Measurements are checked against job requirement.
5. Record and communicate measurement	5.1 Measurements are recorded on form/drawings/sketches as per standard procedures; 5.2 Recorded measurements are interpreted and communicated to supervisor.
6. Clean and store measuring and checking instruments	6.1 Measuring and checking instruments are cleaned; 6.2 Measuring instruments are stored as per industry procedure.
Range of Variables	
Variable	Range (May include but not limited to)
1. Safe work practices	1.1 Identify hazards 1.2 Control hazards 1.3 Use PPE 1.4 Response to emergency situation 1.5 Use First Aid

	1.6 Measure risks 1.7 Report uncontrolled hazards and risks
2. Personal Protective Equipment (PPE)	2.1 Safety shoes 2.2 Safety belt 2.3 Goggles 2.4 Hand gloves 2.5 Safety helmet 2.6 Overall apron 2.7 Safety Mask 2.8 Ear plug
3. Hazards	3.1 Physical hazard 3.2 Chemical hazard 3.3 Electrical and mechanical hazard 3.4 Biological hazard 3.5 Ergonomic hazard 3.6 Mental hazard
4. Measuring and checking tools and instruments	4.1 Measuring tools ▪ Measuring tape ▪ Slide/Vernier Calipers ▪ Steel Rules ▪ Micrometer ▪ Stop watch 4.2 Checking tools ▪ Inside calipers ▪ Outside calipers ▪ Filler gauge ▪ Taper gauge 4.3 Measuring instruments ▪ Pressure gauge ▪ Sprit level ▪ Weighing scale
5. Documents	5.1 Drawing 5.2 Technical manuals 5.3 Specifications 5.4 Written instructions
6. Routine adjustment	6.1 Calibration 6.2 Simple zeroing 6.3 Scale adjustment 6.4 Reference adjustment
7. Measurements	7.1 Measuring length 7.2 Angle 7.3 Clearances 7.4 Time

Evidence Guide

The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.

1. Critical aspects of competency	1.1 Followed OSH practices 1.2 Identified the proper measuring instrument 1.3 Took measurement 1.4 Recorded measurement 1.5 Interpreted written inspection.
2. Underpinning knowledge	2.1 Relevant OSH. 2.2 Safe work practices 2.3 Principles of using different measuring instruments. 2.4 Workplace standard. 2.5 List and use of measuring and checking tools and instruments 2.6 Sequence of using the instruments. 2.7 Methods of using instruments 2.8 Calibration of instrument.
3. Underpinning skill	3.1 Practicing workplace safety 3.2 Taking instruments 3.3 Interpreting and following data sheet, instruction and manuals, technical drawing 3.4 Performing measurement 3.5 Keeping record and report 3.6 Calibrating of instrument.
4. Underpinning attitudes	4.1 Commitment to occupational safety and health. 4.2 Promptness in carrying out activities. 4.3 Sincere and honest to duties. 4.4 Eagerness to learn. 4.5 Tidiness and timeliness. 4.6 Environmental concerns. 4.7 Respect for rights of peers and seniors at workplace. 4.8 Communicate with peers and seniors at workplace.
5. Resource implications	5.1 Adequate workplace 5.2 Materials for proposed activities 5.3 Measuring and checking tools and instruments appropriate to propose activities 5.4 Information and documentation 5.5 Drawings, Manual, Codes, Standards and reference materials.
6. Methods of assessment	Assessment methods may include but not limited to: 6.1 Demonstration 6.2 Oral questioning 6.3 Written test 6.4 Portfolio

7. Context of assessment	7.1 Competency assessment must be done in a training center or in an actual or simulated work place after Completion of the training module 7.2 Assessment should be done by NSDA certified assessor.
Accreditation Requirements Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.	

Occupation Specific Units of Competency

Unit Code and Title	OU-CER-GLZT-01-L1-V2: Carry Out Waterfall Glazing
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to carry out waterfall glazing. It includes following OSH practices, preparing glazing equipment and product, applying glaze to formed product, rectifying routine problems and cleaning and maintaining work area, tools and equipment.
Nominal Hours	80 Hours
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Follow OSH practices	1.1 All safety requirements and regulations are adhered to before, during and after use; 1.2 Unsafe or faulty tools are identified and repaired according to designated procedures before, during and after use; 1.3 <u>Personal Protective Equipment (PPE)</u> is worn and OSH (Occupational Safety and Health) instructions are followed according to job specification; 1.4 Work is done considering the health <u>hazard</u>.
2. Prepare glazing equipment and product	2.1 Glazing requirements are identified from production schedule/specification; 2.2 Glazing equipment are adjusted as required; 2.3 <u>Product</u> de-dusting is performed to ensure the quality as per specification; 2.4 Product surface temperature is checked as required; 2.5 Water is sprayed on the products as required; 2.6 Density and viscosity of glaze slip is checked; 2.7 Sieving is performed using vibrator/mesh if necessary;
3. Apply glaze on formed products	3.1 Glaze is applied to specified <u>measurement</u> on product as per instruction; 3.2 Flow of falling glaze is controlled as per job requirement; 3.3 Glaze pick-up is ensured as required. 3.4 Excess glaze are recovered for treatment and recycling; 3.5 Production <u>process</u> is monitored as per enterprise procedure;
4. Rectify routine problems	4.1 <u>Glaze faults</u> are identified and rectified that can occur during the operation as per workplace procedure; 4.2 Machine failure causes are identified and rectified in accordance with procedures; 4.3 Records and log books of machine operations are maintained as per instruction; 4.4 Irregularities are identified and reported to designated person as per company procedure.

5. Clean and maintain work area, tools and equipment	5.1 <u>Tools and equipment</u> are cleaned, maintained and stored as per workplace procedures; 5.2 Faulty and defective equipment is tagged and reported in accordance with workplace procedures; 5.3 Work area is cleared and waste materials are removed in accordance with workplace standards.
Range of Variables	
Variables	Range (may include but not limited to):
1. Personal Protective Equipment (PPE)	1.1 Musk 1.2 Safety glasses / goggles 1.3 Hair nets 1.4 Ear muffs / plugs 1.5 Gloves 1.6 Footwear 1.7 Protective clothing
2. Hazards	2.1 Exposure hazards in glaze 2.2 Toxicity of glazes 2.3 Physical 2.4 Mechanical 2.5 Electrical
3. Product	3.1 Tiles ▪ Wall tiles ▪ Floor tiles ▪ Decor/ border tiles
4. Measurement	4.1 Thickness 4.2 Weight
5. Processes	5.1 Waterfall ▪ Compana ▪ Vela
	▪

6. Glaze fault	6.1 For tiles ▪ Pin holing ▪ Crazing Ink spot ▪ Glaze removing ▪ Wavy glaze ▪ Blistering ▪ Iron spot ▪ Bubbles/Dimple ▪ Fall cut ▪ Cracking ○ Cooling ○ Surface
7. Tools and equipment	7.1 Belt Glazing (Compana/Vela) 7.2 Stirrer tank 7.3 Delivery pump 7.4 Vibrator 7.5 Iron separator/magnetic separator 7.6 Viscometer / Ford Viscosity Cup 7.7 Pycnometer 7.8 Weighing balance 7.9 Weighing Tray 7.10 Sponge 7.11 Stop watch 7.12 Litter Pot 7.13 Brush
Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	

1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 performed de-dusting to ensure the quality of product as per specification; 1.2 sprayed water on the products as required; 1.3 controlled flow of falling glaze requirement; 1.4 applied glaze to the product 1.5 rectified glazing faults
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2. Underpinning knowledge	2.1 Glaze application techniques 2.2 Glaze properties 2.3 Density and Viscosity measurement techniques 2.4 Causes of problems ▪ product surface condition ▪ pin-holing ▪ glaze wave ▪ pilling ▪ chipping ▪ equipment problems.
3. Underpinning skills	3.1 Operating machine 3.2 Adjusting parameters 3.3 Adjusting glaze flow 3.4 Monitoring production process 3.5 Trouble shooting of machine 3.6 Maintaining log book and records
4. Underpinning attitudes	4.1 Commitment to occupational safety and health 4.2 Promptness in carrying out activities 4.3 Sincere and honest to duties 4.4 Eagerness to learn 4.5 Tidiness and timeliness 4.6 Environmental concerns 4.7 Respect for rights of peers and seniors at workplace 4.8 Communication with peers and seniors at workplace.
5. Resource implications	The following resources must be provided: 5.1. Workplace (actual or simulated) 5.2. All tools, equipment and materials required 5.3. Materials, consumable to perform activities
6. Methods of assessment	Assessment methods may include but not limited to: 6.1 Written Test 6.2 Demonstration 6.3 Oral Questioning 6.4 Portfolio
7. Context of assessment	7.1 Competency assessment must be done in NSDA accredited assessment centre 7.2 Assessment should be done by a NSDA certified/nominated assessor

Accreditation Requirements

Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

Unit Code and Title	OU-CER-GLZT-02-L1-V2: Carry Out Edge Cutting and Coating of Tiles
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to carry out bottom cutting and coating. It includes following OSH practices, carrying out cutting of edge, carrying out coating operation, identifying common faults, cleaning and maintaining work area, tools and equipment
Nominal Hours	80 Hours
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Follow OSH practices	1.1 All safety requirements and regulations are adhered to before, during and after use; 1.2 Unsafe or faulty tools are identified and repaired according to designated procedures before, during and after use; 1.3 <u>Personal Protective Equipment (PPE)</u> is worn and OSH (Occupational Safety and Health) instructions are followed according to job specification; 1.4 Work is done considering the health <u>hazard</u>.
2. Carry out cutting of edge	2.1. Edge cutting machine and accessories are inspected for serviceability; 2.2. <u>Cutting materials</u> are adjusted as per product requirement; 2.3. Edge cutting operation is carried out steadily as per standard procedure; 2.4. Cut edges are checked for smoothness, uniformity and dimensional accuracy.
3. Carry out coating operation	3.1 <u>Coating materials</u> are collected and measured as per product requirement; 3.2 Density and viscosity of coating slip is checked and quality is ensured as per standard; 3.3 Roller is adjusted as per job requirement; 3.4 Coating materials are applied to tiles as required.
4. Identify common faults	4.1 <u>Common faults</u> of machine and products are identified and reported to the supervisor; 4.2 Records and log books of machine operations are maintained as per instruction; 4.3 Irregularities of operation are identified as per workplace instruction.

5. Clean and maintain work area, tools and equipment	5.1 Tools and equipment are cleaned, maintained and stored as per workplace procedures; 5.2 Faulty and defective equipment is tagged and reported in accordance with workplace procedures; 5.3 Work area is cleared and waste materials are removed in accordance with workplace standard.
Range of Variables	
Variables	Range (may include but not limited to):
1. Personal Protective Equipment (PPE)	1.1 Musk 1.2 Safety glasses I goggles 1.3 Hair nets 1.4 Gloves 1.5 Apron
2. Cutting materials	2.1 Disc 2.2 Brush 2.3 Sponge 2.4 Water
3. Coating materials	3.1 Alumina powder 3.2 China clay 3.3 Water
4. Product	3.1 Tiles ▪ Wall tiles ▪ Floor tiles ▪ Decor/ border tiles ▪ Double layer tiles
5. Tools and equipment	4.1 Tray 4.2 Rubberized roller 4.3 Stirrer tank 4.4 Belt conveyor 4.5 Pycnometer 4.6 Viscometer/Ford viscosity cup 4.7 Weighing balance 4.8 Stop watch
6. Common faults	4.1 Glaze drop 4.2 Water drop 4.3 Glaze wave 4.4 Glaze Chipping 4.5 Pin hole 4.6 Glaze dust 4.7 Filling 4.8 Printing problem 4.9 Blister 4.10 Surface crack

Evidence Guide

The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.

1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 carried out edge cutting operation; 1.2 carried out edge coating operation 1.3 identified common faults.
2. Underpinning knowledge	2.1 Describe coating operation. 2.2 Describe cutting operation; 2.3 Glaze applying procedure. 2.4 Coat application techniques. 2.5 Density measurement techniques. 2.6 Viscosity measurement techniques.
3. Underpinning skills	3.1 Preparing cutting and coating equipment. 3.2 Applying coat. 3.3 Performing cutting 3.4 Checking density and viscosity. 3.5 Adjusting roller.
4. Underpinning attitudes	4.1 Commitment to occupational safety and health 4.2 Promptness in carrying out activities 4.3 Sincere and honest to duties 4.4 Eagerness to learn 4.5 Tidiness and timeliness 4.6 Environmental concerns 4.7 Respect for rights of peers and seniors at workplace 4.8 Communication with peers and seniors at workplace.
5. Resource implications	The following resources must be provided: 5.1. Workplace (actual or simulated) 5.2. All tools, equipment and materials required 5.3. Materials, consumable to perform activities
6. Methods of assessment	Assessment Methods may include but not limited to: 6.1 Demonstration 6.2 Oral questioning 6.3 Written test 6.4 Portfolio
7. Context of assessment	7.1 Competency assessment must be done in NSDA accredited assessment centre 7.2 Assessment should be done by a NSDA certified/nominated assessor

Accreditation Requirements

Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

Unit Code and Title	OU-CER-GLZT-03-L1-V2: Carry Out Spray Glazing
Unit Descriptor	This unit covers the knowledge, skills and attitudes required to carry out spraying. It includes following OSH practices, preparing glazing equipment and product, applying glaze to formed product, rectifying routine problems and cleaning and maintaining work area, tools and equipment.
Nominal Hours	70 Hours
Elements of Competency	Performance Criteria <u>Bold and Underlined</u> terms are elaborated in the Range of Variables.
1. Follow OSH practices	1.1 All safety requirements and regulations are adhered to before, during and after use; 1.2 Unsafe or faulty tools are identified and repaired according to designated procedures before, during and after use; 1.3 <u>Personal Protective Equipment (PPE)</u> is worn and OSH (Occupational Safety and Health) instructions are followed according to job specification; 1.4 Work is done considering the health <u>hazard</u>.
2. Prepare for spraying	2.1 Necessary <u>tools</u> and <u>equipment</u> are collected as per job requirement 2.2 Necessary <u>materials</u> are collected as per job requirement 2.3 Wheel, spray gun is adjusted as per job requirement. 2.4 Air pressure regulator is adjusted as required. 2.5 Glazing spray booth is prepared as per requirement. 2.6 Glaze slip pressure is adjusted for spray gun/nozzle and checked time to time as per job requirement.
3. Prepare tiles	3.1 The tiles are set on setter as per instruction. 3.2 The tiles are de-dusted and cleaned. 3.3 The tiles are checked and defects are identified as per instruction. 3.4 Defective products are rectified or rejected as per enterprise procedure.
4. Perform spraying on tiles	4.1 Surface temperature of tiles is maintained as per standard procedure 4.2 Glaze is sprayed on tiles in accordance with procedure. 4.3 Glaze thickness is maintained as per specification
5. Rectify routine problems	5.1 Faults are identified and rectified that can occur during the operation as per workplace procedure. 5.2 Machine failure causes are identified and reported as company procedure; 5.3 Records and log books of machine operations are

	maintained as per instruction. 5.4 Irregularities are identified and reported to designated person
6. Clean and maintain work area, tools and equipment	6.1 <u>Tools and equipment</u> are cleaned, maintained and stored as per workplace procedures. 6.2 Faulty and defective equipment is tagged and reported in accordance with workplace procedures. 6.3 Work area is cleared and waste materials are removed in accordance with workplace standards
Range of Variables	
Variables	Range (may include but not limited to):
1. Personal Protective Equipment (PPE)	1.1 Mask 1.2 Safety glasses / goggles 1.3 Hair nets 1.4 Ear muffs / plugs 1.5 Gloves 1.6 Safety shoes/Gum boot 1.7 Protective clothing/Apron
2. Tools	2.1 Spray gun 2.2 Wheel 2.3 Pressure controller 2.4 Blower 2.5 Trolley 2.6 Bucket 2.7 Stirrer 2.8 Pycnometer 2.9 Weighting balance
3. Equipment	3.1 V-Belt 3.2 Viscometer / Ford viscosity cup 3.3 Spray Booth 3.4 Pressure tank
4. Materials	4.1 Glaze 4.2 Water 4.3 Tiles
5. Hazards	5.1 Exposure hazards in glaze 5.2 Toxicity of glazes 5.3 Physical 5.4 Mechanical 5.5 Electrical
Evidence Guide The evidence must be authentic, valid, sufficient, reliable, consistent and recent and meet the requirements of the current version of the Unit of Competency.	

1. Critical aspects of competency	Assessment required evidence that the candidate: 1.1 adjusted spray gun, glaze slip pressure, density and viscosity; 1.2 applied glaze to tiles in specified thickness 1.3 uniformed glazing of functional surface 1.4 recognized and categorized glazing faults.
2. Underpinning knowledge	2.1 Spray gun adjustment techniques . 2.2 Glaze application techniques. 2.3 Density measurement techniques . 2.4 Viscosity measurement techniques . 2.5 Thickness measurement techniques.
3. Underpinning skills	3.1 Adjusting glaze spray gun. 3.2 Adjusting parameters. 3.3 Measuring density, viscosity. 3.4 Spraying on tiles. 3.5 Identifying faults. 3.6 Trouble shooting 3.7 Maintaining tools and equipment.
4. Underpinning attitudes	4.1 Commitment to occupational safety and health 4.2 Promptness in carrying out activities 4.3 Sincere and honest to duties 4.4 Eagerness to learn 4.5 Tidiness and timeliness 4.6 Environmental concerns 4.7 Respect for rights of peers and seniors at workplace 4.8 Communication with peers and seniors at workplace.
5. Resource implications	The following resources must be provided: 5.1. workplace (actual or simulated) 5.2. all tools, equipment and materials required 5.3. materials, consumable to perform activities
6. Methods of assessment	Assessment methods may include but not limited to: 6.1 Demonstration 6.2 Oral questioning 6.3 Written test 6.4 Portfolio
7. Context of assessment	7.1 Competency assessment must be done in NSDA accredited assessment centre 7.2 Assessment should be done by a NSDA certified/nominated assessor

Accreditation Requirements

Training Providers must be accredited by National Skills Development Authority (NSDA), the National Quality Assurance Body, or a body with delegated authority for quality assurance to conduct training and assessment against this unit of competency for credit towards the award of qualification under BNQF. Accredited providers assessing against this unit of competency must meet the quality assurance requirements set by NSDA.

Development of Competency Standard

The Competency Standards for National Skills Certificate in Glazing, Level-1 is developed by NSDA on 19 September 2024.

List of Members

Sl. No	Name and Address	Position in the committee
1.	Md. Rafiqul Islam Bhuiyan Consultant, Ceramic ISC Mobile: 01954880210 Email: consultantrafique@gmail.com	Member
2.	Md. Anamul Hoque Manager Greatwall Ceramic Ind. Ltd. Mobile: 01974190098, enamk22@gmail.com ,	Member
3.	Tahidur Rahman Manager Mir Ceramic Ltd. Mobile: 01715291486, tahidur.isol@gmail.com ,	
4.	Shamsul Huque Khan Deputy Manager Paragon Ceramic Ind. Ltd. Mobile: 01711057259 mdshamsulhaquekhan@gmail.com	Member
5.	Chaw Thue Prue Deputy Manager China Bangla Ceramic Ind. Ltd. Mobile: 01847082722 asichaw@gmail.com	Member
6.	Md. Zulfikar Ali Khan Coordinator Ceramic ISC Mobile: 01680038771 bcmea.hr@gmail.com ,	Member
7.	Md Abdur Razzaque, Expert (Curriculum), NSDA Mobile: 01742-734313, Email: razzaque159@gmail.com	Member

Validation of Competency Standard

The Competency Standards for National Skills Certificate in Glazing, Level- 1 is validated by NSDA 15th October 2024.

List of Members of SCVC

Sl. No.	Name and Address	Position in the committee	Signature
1.	Irfan Uddin, Vice Chairman, Ceramic ISC	Chairperson	
2.	Md. Rafiqul Islam Bhuiyan Consultant, Ceramic ISC Mobile: 01954880210 Email: consultantrafique@gmail.com	Member	
3.	Md. Mafizul Islam Manager, Production China Bangla Ceramic Ind. Ltd. Mobile: 01733113249 Email: eng.mafizul@gmail.com	Member	
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8.	Engr. Abdur Razzaque, Specialist-01, NSDA, Mobile: +88 01742734313, Email: razzaque159@gmail.com	Member	

Review and Validation of Competency Standard

The Competency Standards for National Skills Certificate Level-1 in **Glazing for Tiles** is reviewed and validated by NSDA on 15 March 2026.

List of members:

Sl. No.	Name and address	Position in the committee	Signature
1	Mr. Moynul Islam Chairman, Ceramic ISC Email: ceramiciscbd@gmail.com	Chairman	
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