

QUALIFICATION: - MASONRY WORKS

Qualification reference number: CON/MS001/L1

NSQ level: 1

Credit value: 12

Guided learning hours: 120

Total learning hours 300 +		
Guided learning hours	Independent learning hours	Work-based learning hours
120	180	+ (based on training needs)

Level Purpose: This qualification is designed to *enable the learner demonstrate basic health and safety practices, and use simple materials tools and equipment in assisting the Mason and Senior Mason.*

Level assessment requirements/evidence requirements.

There are **seven (7) mandatory** units (Units 1,2,3,4,5,6 and 7) to enable the learner qualify for **NSQ** Level 1 as Assistant mason. There will be no simulation exercise **(except in Health and Safety Unit)**. All evidences are to be obtained directly on site.

The evidence required for this level includes:

1. Questions and Answers (QA)
2. Direct Observation (DO)
3. Witness Statement (WT)
4. Personal statement/ Reflective Journal (PS/RJ)
5. Work Product (WP)
6. **Assignment(ASS)**

LEVEL 1: ASSISTANT MASON

Purpose of Qualification: This qualification is for Assistant Mason, who is to assist the Mason and Senior Mason in carrying out masonry work.

QUALIFICATION SUMMARY						
UNIT	CREDIT VALUE	REF NO	GLH	UNIT	REMARKS	PAGE NO
01	2	CONMS001L1	20	Health, Safety and Environment	Mandatory	3
02	1	CONMS002L1	10	Communication system in a work environment	Mandatory	7
03	1	CONMS003L1	10	Team Work in Construction Environment	Mandatory	9
04	2	CONMS004L1	20	Identification of equipment, material handling and storage	Mandatory	11
05	2	CONMS005L1	20	Site preparation and Excavation	Mandatory	13
06	3	CONMS006L1	30	Mix/Surface preparation and Bonding	Mandatory	15
07	1	CONMS007L1	10	Erection of simple Scaffolding	Mandatory	17

Total Credit hours required: 120

NSQ Level: 1

Unit1 – Level I (Assistant Mason)

Unit Title - Health, Safety and Environment

Qualification reference number: CON/MS001/L1

NSQ level: 1

Credit value: 2

Guided learning hours: 20

Unit Purpose: At the end of this unit the learner should be able to maintain good personal hygiene and carry out work activity in a safe manner to prevent hazards.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Assignment (ASS)

Unit: 01

Unit Title: Health, Safety and Environment

Level: 1

Credit Unit: 2

Credit Hours: 20

LO (Learning Outcome)		Criteria	Evidence Type				Evidence Ref Page number			
LO 1: Maintain personal health and hygiene	1.1	Wear clean, smart and appropriate personal Protective Equipment.								
	1.2	Work safely at all times, complying with health and safety and other relevant regulations and Guidelines.								
	1.3	Identify appropriate person to treat any cuts, grazes and wounds.								
	1.4	Report illness and infection promptly to the appropriate Persons.								
	1.5	State own responsibility under the health and safety Act as it relates to own occupation.								
	1.6	State general rules on hygiene that must be followed.								
	1.7	State correct Personal Protection Equipment such as Head Protection, Foot Protection, Face and eye Protection, Hand and Body protection and regulatory protection.								
	1.8	State the importance of maintaining good personal Hygiene.								
	1.9	Describe how to deal with cuts, grazes and wounds and why it is important to do so								
LO 2 Maintain a hygienic, safe and hazard free workplace.	2.1	State the importance of working in a healthy, safe and hygienic workplace								
	2.2	Report any accidents or near accidents quickly and accurately to the proper person.								
	2.3	Follow health, hygiene and safety procedures during work								
	2.4	Practice emergency procedures during work								
	2.5	Follow organizational security procedures								
	2.6	Ensure the disposal of waste and pollution control with organic and Inorganic waste disposal methods.								
	2.7	Follow sound and noise control and protection methods								
	2.8	Identify any hazards or potential hazards and deal with these correctly.								
	2.9	State where information about health and safety in your workplace can be obtained								
	2.10	Describe the types of hazards in the workplace that may occur and how to deal with them								
	2.11	State hazards that can be dealt with								

Unit 2 - Level I (Assistant Mason)

Unit Title: Communication System in a Work Environment

Unit reference number: CON/MS002/L1

NSQ level: 1

Credit value: 1

Guided learning hours: 10

Unit purpose: At the end of this unit, the learner should be able to establish a basic communication system that is responsive to the needs of workers and employers in work environment.

Unit assessment requirements/evidence requirements

The unit requires the various assessment methods below;

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Assignment (ASS)
6. Personal statement (PS) / Reflective Journal (RJ)

Unit: 02**Unit Title: Communication system in a work environment****Level: 1****Credit Unit –1****Credit hours –10**

LO (Learning outcome)		Performance Criteria	Evidence Type				Evidence Ref Page number			
LO1: Use simple communication system in a work environment	1.1	Use a simple verbal means to pass on necessary information								
	1.2	Use nonverbal means to pass on necessary information e.g. body language								
	1.3	Identify symbols and signs appropriately								
LO2: Develop the ability to identify the source of information in a work Environment.	2.1	Locate the source of information in an organization and work Environment.								
	2.2	Relate appropriately with source of information								
	2.3	Use the general information flow systems in a work environment								
	2.4	Use information to avoid challenges in a work situation								
	2.5	Report findings in accordance to Procedure in a work environment.								
LO3: Demonstrate the use of basic communication means in a work Environment...	3.1	Locate the various communication equipment in the work environment								
	3.2	Use effectively the general communication equipment in a work Environment.								
	3.3	Pass information effectively to the right personnel								
	3.4	Pass information effectively using Symbols, signs and codes.								
	3.5	Comply with general instructions in line with ethics of the work Environment.								

Learners Signature:

Date:

Assessors Signature:

Date:

IQA Signature (if sampled)

Date:

EQA Signature (if sampled)**Date:**

Unit3 - Level I (Assistant Mason)

Unit Title: Team work in a work environment

Unit reference number: CONMS003L1

NSQ level: 1

Credit value: 1

Guided learning hours: 10

Unit Purpose:

The learner should be able to demonstrate skills, knowledge and understanding required to develop team spirit and positive working relationship with colleagues.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Assignment (ASS)
6. Personal statement (PS) / Reflective Journal (RJ)

Unit: 03
Unit Title: Team work in a work environment
Level: 1
Credit Unit –1
Credit hours –10

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO 1 Positive working relationship with Colleagues.	1.1	Identify the need for developing positive working relationship with Colleagues.								
	1.2	Recognize the importance of relating with other people in a way that makes them feel valued and Respected.								
	1.3	Assist team members when Required.								
	1.4	Report to the personnel when request for assistance fall outside area of responsibility.								
	1.5	Communicate information to colleagues about own work that might affect others.								
LO 2 Take Responsibilities within the Team	2.1	Recognize own role and Responsibilities within the team.								
	2.2	Perform individual tasks in line with the team rules and Regulations.								
	2.3	Participate effectively in team Work.								
LO 3 Compliance with policy of Organization.	3.1	Work in line with organizational Standard.								
	3.2	Use organization code of practice.								
	3.3	Explain organizational code of Conduct.								

Learners Signature:

Date:

Assessors Signature:

Date:

IQA Signature (if sampled)

Date:

EQA Signature (if sampled)

Date:

Unit 4 - Level I(Assistant Mason)

Unit Title: Identification of equipment, material handling and storage

Unit reference number: CONMS004L1

NSQ level: 1

Credit value: 2

Guided learning hours: 20

Unit Purpose:

At the end of this unit, the learner should be able to: Identify, handle and store equipment, tools and materials appropriately.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Assignment (ASS)
6. Personal statement (PS)/ Reflective Journal(RJ)

Unit: 04**Unit Title: Identification of equipment, material handling and storage Level: 1****Credit Unit –2 Credit hours –20**

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Identify /Select Equipment	1.1	Identify manual and mechanically hand tools and equipment relevant to his/her Trade.								
	1.2	Select and use of hand tools and Equipment relevant to his/her trade.								
LO2 Identify /Select appropriate material	2.1	Identify relevant materials to his/her trade.								
	2.2	Select and use of appropriate materials for a particular work.								
LO3 Handling Material, tools and equipment	3.1	Comply with the given information to Move and handle tools and equipment.								
	3.2	Select the required quality and quantity of resources for the method of moving and Handling tools and equipment.								
	3.3	Recognize individual work and team work for lifting, loading and unloading materials and equipment.								
	3.4	Follow sequence of loading and unloading of materials								
LO4 Store equipment and material	4.1	Comply with the given information to store Resources.								
	4.2	Select the required quality and quantity of the resources for the method of storing resources.								
	4.3	Follow sequence of storing Resources.								

Learners Signature:

Date:

Assessors Signature:

Date:

IQA Signature (if sampled)

Date:

EQA Signature (if sampled)**Date:**

Unit 5 - Level I (Assistant Mason)

Unit Title: Site preparation and excavation

Unit reference number: CONMS005L1

NSQ level: 1

Credit value: 2

Guided learning hours: 20

Unit Purpose:

At the end of this unit, the learner should be able to assist in carrying out site clearance, excavation and masonry works.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Assignment (ASS)
6. Personal statement (PS)/ Reflective Journal(RJ)

Unit: 05
Unit Title: Site preparation and excavation
Level: 1
Credit Unit –2
Credit hours –20

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Identify and clear site	1.1	Identify tools and Equipment required for Site clearance.								
	1.2	Carry out Site clearance								
	1.3	Assist in erection of temporary facilities								
LO2 Excavate earth surface	2.1	Identify basic tools used in excavation								
	2.2	Assist in setting out of the structure								
	2.3	Assist in carrying out excavation								
	2.4	Explain how to prepare shuttering against faces of excavation								
	2.5	Assist in erection of shuttering against faces of excavation								
	2.6	Explain how and why surfaces of earth should be treated.								
	2.7	Assist in treatment of earth surfaces.								
LO3 Backfill level and compact earth	3.1	Describe the procedures involved in filling leveling and compaction of earth manually and mechanically.								
	3.2	Backfill excavated material								
	3.3	Compact earth manually								
	3.4	Assist to compact earth mechanically								

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

Unit6 - Level I (Assistant Mason)

Unit Title: Mix/Surface Preparation and Bonding

Unit reference number: CONMS006L1

NSQ level: 1

Credit value: 3

Guided learning hours: 30

Unit Purpose:

At the end of this unit, the learner should be able to; assist in the preparation of work surfaces and mixing of bonding materials.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Assignment (ASS)
6. Personal statement (PS)/ Reflective journal (RJ)

Unit: 06
Unit Title: Mix/Surface Preparation and Bonding
Level: 1
Credit Unit –3
Credit hours –30

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Preparation of work surfaces	1.1	Make the surface hard and clean from dirt/debris/grease or any other impurities								
	1.2	Identify and select tools, materials and equipment required for the Job								
	1.3	Describe the procedure of chiseling/ scraping and wet surface to Receive POP/Plaster.								
LO2 Mix Appropriate of materials	2.1	Identify materials for its appropriate application								
	2.2	Describe the procedure of measuring materials by using appropriate measuring Devices.								
	2.3	Mix materials uniformly within the specification and stipulated time								
	2.4	Differentiate types of mortar and concrete mix								
LO3 Differentiate uses and types of brick/block bonding	3.1	Identify different uses and types of bonds								
	3.2	Describe different types of bonding								
	3.3	Participate in brick/block bonding works								
LO4 Application of appropriate materials	4.1	Practice shifting and stacking arrangement of the required Materials for the job.								
	4.2	Lay blocks and bricks to line.								
	4.3	Describe how to produce dry bonding								
	4.4	Apply basic plastering and POP materials								
	4.5	Identify types of curing Methods and its timing.								

Learners Signature:

Date:

Assessors Signature:

Date:

IQA Signature (if sampled)

Date:

EQA Signature (if sampled)

Date:

Unit7 - Level I (Assistant Mason)

Unit Title: Erection of simple scaffolding

Unit reference number: CONMS007L1

NSQ level: 1

Credit value: 1

Guided learning hours: 10

Unit Purpose:

At the end of this unit, the learner should assist in erection, dismantling and storage of scaffold and its materials.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Assignment (ASS)
6. Personal statement (PS)/ Reflective Journal (RJ)

Unit: 07
Unit Title: Erection of simple scaffolding
Level: 1
Credit Unit –1
Credit hours –10

LO (Learning outcome)		Criteria :-	Evidence Type				Evidence Ref Page number			
LO1 Differentiate types of scaffolding	1.1	Identify different types of scaffolding in the workplace.								
	1.2	Explain the different types of plat form/ shuttering in the workplace								
LO2 Differentiate types of materials used in Scaffolding	2.1	Identify types of materials used for Scaffolds								
	2.2	Describe types of materials being used for scaffolding on site								
LO3 Erection of Scaffolds	3.1	Identify and convey different types of scaffolding being used on site								
	3.2	Explain the method of erecting different types of scaffolding								
LO4 Dismantling of Scaffolds	4.1	Explain the method used in dismantling different types of scaffolding								
LO5 Storage of Scaffolding materials	5.1	Describe appropriate methods of stacking scaffolding materials before and after usage.								

Learner Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

QUALIFICATION: - MASONRY WORKS

Level reference number: CONMS000L2

NSQ level: 2

Credit value: 30

Guided learning hours: 300

Total learning hours 750 +		
Guided learning hours	Independent learning hours	Work-based learning hours
300	450	+ (based on training needs)

Level Purpose: This qualification is designed to *enable the learner demonstrate basic health and safety practices, and carry out construction activities using appropriate materials, tools and equipment and assisting the Senior Mason.*

Level assessment requirements/evidence requirements

There are **five** (5) compulsory units (Units 1, 2,3, 4 and 5) and any other **one** units out of the other **two** (2) units to enable the learner qualify for **NSQ** Level II in Assistant mason. There will be no simulation exercise (**except in Health and Safety**), all evidence are to be obtained directly on site.

The evidence required for this level includes:

1. Question and answers (QA)
2. Direct Observation (DO)
3. Recognition of prior learning (RPL)
4. Witness Testimony (WT)
5. Personal Statement(**PS**) / Reflective **Journal(RJ)**

LEVEL 2: MASON

Purpose of Qualification: This qualification is for Mason, who is to supervise Assistant Mason and assist the Senior Mason in carrying out masonry work.

QUALIFICATION SUMMARY

UNIT	CREDIT VALUE	REF NO	GLH	UNIT	REMARKS	PAGE NO
01	4	CONMS001L2	40	Health, Safety and Environment	Mandatory	
02	4	CONMS002L2	40	Communication system in a work environment	Mandatory	
03	3	CONMS003L2	30	Team Work in Construction Environment	Mandatory	
04	6	CONMS004L2	60	Set out masonry Structures	Mandatory	
05	6	CONMS005L2	60	Erection of masonry works: using appropriate tools and equipment	Mandatory	
06	7	CONMS006L2	70	Rendering and Finishes according to specification	Optional	
07	7	CONMS007L2	70	Repair and Rectify Masonry structures	Optional	

Purpose of Qualification:

This qualification is for a Mason who needs to support the Senior Mason in carrying out masonry work.

Total Credit hours required: 300

NSQ Level: 2

Unit 1 - Level II (Mason)

Unit Title: Health, Safety and Environment

Unit reference number: CONMS001L2

NSQ level: 2

Credit value: 4

Guided learning hours: 40

Unit Purpose:

At the end of this unit learners should be able to maintain good personal hygiene and carry out work activity in a safe manner to prevent hazards.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior learning (RPL)
5. Personal Statement (PS)
6. Work Product (WP)

Unit: 01

Unit Title: Health, Safety and Environment

Level: II

Credit Unit –4

Credit hours –40

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO 1 Personal health and hygiene	1.1	Wear clean, smart and appropriate personal Protective Equipment.								
	1.2	Work safely at all times, complying with health and safety and other relevant regulations and guidelines.								
	1.3	Get any cuts, grazes and wounds Treated by the appropriate person.								
	1.4	Report illness and infection promptly to the appropriate Persons.								
	1.5	State own responsibility under the health and safety Act as it relates to own occupation.								
	1.6	State general rules on hygiene that must be followed.								
	1.7	Identify Personal Protective Equipment such as Head, Foot, Face, eye, Hand and Body protection as well as Regulatory Protection.								
	1.8	State the importance of maintaining good personal Hygiene.								
	1.9	Describe how to deal with cuts, grazes and wounds and why it is important to do so								
LO 2	2.1	State the importance of working								

	3.2	State why accidents and near accidents should be reported and who they should be reported to								
	3.3	Describe the types of emergencies that may happen in the workplace and how to deal with them								

Unit 2 - Level II (Mason)

Unit Title: Communication system in a work environment

Unit reference number: CONMS002L2

NSQ level: 2

Credit value: 4

Guided learning hours: 40

Unit Purpose:

At the end of this unit, the learner should be able to establish a quality communication system that is responsive and subject to change in meeting workers and employers need in work environment.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior learning (RPL)
5. Personal Statement (PS)

Unit: 02

Unit Title: Communication system in a work environment

Level: II

Credit Unit –2

Credit hours –20

LO (Learning outcome) Criteria:-		Performance Criteria	Evidence Type				Evidence Ref Page number			
LO1: Non complex communication system in a work environment	1.1	Use a simple verbal means to pass on necessary information								
	1.2	Use non-verbal means to pass on necessary information e.g. body language								
	1.3	Interpret symbols and signs appropriately								
LO2: Source of information in a work Environment.	2.1	Locate the source of information in an organization and work Environment.								
	2.2	Relate appropriately with source of information								
	2.3	Use the various information flow systems in a work environment								
	2.4	Use information to avoid challenges in a work situation								
	2.5	Report findings in accordance to Procedure in a work environment.								
LO3: Communication means in a work Environment.	3.1	Locate the various communication equipment in the work environment								
	3.2	Use effectively the various communication equipment in a work Environment.								
	3.3	Pass information effectively to the right personnel								
	3.4	Pass information effectively using Symbols, signs and codes.								
	3.5	Obey instruction in line with ethics of The work environment.								
LO4: Team-work	4.1	Describe team role and scope								
	4.2	Identify own role and responsibility within the team								
	3.3	Recognize requirement of team								

Unit 3 - Level II (Mason)

Unit Title: Team Work in Construction Environment

Unit reference number: CONMS003L2

NSQ level: 2

Credit value: 3

Guided learning hours: 30

Unit Purpose:

At the end of this unit, the learner should understand the roles of team members and their responsibilities in work place.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q &A)
3. Witness Testimony (WT)
4. Recognition of Prior learning (RPL)
5. Personal Statement (PS)

Unit: 03
Unit Title: Team Work in Construction Environment
Level: II
Credit Unit –3
Credit hours –30

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Teams in the construction site	1.1	Distinguish between various teams e.g. Masonry, Carpentry, Iron bending, Plumbing etc.								
LO2 Roles of the various teams										
	2.1	List the function of each team member								
	2.2	Discuss the function of each team								
	2.3	Differentiate between the function of each team								
LO3 Requirement of various teams										
	3.1	Identify materials and Tools required for each team member.								
	3.2	Enumerate the function of tools and equipment required for each team								
	3.3	Describe the method of carrying out activities for each team.								
LO4 Benefit of team work.										
	4.1	Recognize the sequence of various team activities								
	4.2	Differentiate between various time frame of each team activity								
	4.3	Deliver quality output as a team								

Learner Signature:

Date:

Assessors Signature:

Date:

IQA Signature (if sampled)

Date:

EQA Signature (if sampled)Date:

Unit 4 - Level II (Mason)

Unit Title: Set out masonry Structures

Unit reference number: CONMS004L2

NSQ level: 2

Credit value: 6

Guided learning hours: 60

Unit Purpose:

At the end of this unit, the learner should be able to *interpret drawings and set out masonry works*

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior learning (RPL)
5. Personal Statement (PS)
6. Work Product (WP)
7. Assignment (ASS)

Unit: 04
Unit Title: Set out masonry Structures
Level: II
Credit Unit –6
Credit hours –60

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Materials, tools and equipment for Required setting out	1.1	Distinguish the various types of materials, tools and equipment required in setting out.								
	1.2	Select the various types of materials, tools and equipment required in setting out.								
	1.3	Assemble the various types of materials, tools and equipment required in setting out.								
LO2 Elementary building drawings										
	2.1	Interpret Measuring unit and device.								
	2.2	Read and interpret various types of scales used.								
	2.3	Interpret simple sketches.								
	2.4	Convert Dimensions from Imperial to Metric Units.								
LO3 Methods of setting out										
	3.1	Explain the methods of setting out with examples								
	3.2	State various simple setting out tools								
LO4 Set out simple masonry structure										
	4.1	Identify and indicate site boundaries								
	4.2	Set right angled corners								
	4.3	Establish building line and set back								
	4.4	Check building lines for squareness and Compliance								
	4.5	Mark lines on profiles								
Learner Signature:			Date:							
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							
EQA Signature (if sampled)Date:										

Unit 5 - Level II (Mason)

Unit Title: Erection of masonry works: using appropriate Tools and equipment's

Unit reference number: CONMS005L2

NSQ level: 2

Credit value: 6

Guided learning hours: 60

Unit Purpose:

At the end of this unit, the learner should be able to lay bricks/block/stone and concrete element to specification using the appropriate tools.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior learning (RPL)
5. Personal Statement (PS)
6. Work Product (WP)

Credit hours –60

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO 1 Tools, materials and equipment	1.1	Identify and use the tools and equipment for masonry works								
	1.2	Select materials for masonry work and apply them in construction.								
LO 2 Bricks, stone, block wall, concrete walls and floors	2.1	Determine the different types of blocks/bricks/concrete wall and their sizes								
	2.2	Determine the appropriate courses to attend at a certain level								
	2.3	Explain the types of bonding in Construction								
	2.4	Create openings at appropriate levels and locations								
	2.5	Explain various mix ratios for blocks/bricks/concrete structures, thickness of joints and floors								
	2.6	Lay block, brick, concrete and floors to required standard								
LO 3 Techniques of laying natural stone structures	3.1	Enumerate types of natural stone.								
	3.2	Determine the appropriate courses to attain at certain level								
	3.3	State purpose and condition under which stone work is Employed								

LO 4

Multi thickness

4.1	Identify different types and purpose of wall thickness														
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Unit 6 - Level II (Mason)

Unit Title: Rendering and Finishes according to specification

Unit reference number: CONMS006L2

NSQ level: 2

Credit value: 7

Guided learning hours: 70

Unit Purpose:

At the end of this unit, the learner should be able to render and cure masonry works according to the required specification.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior learning (RPL)
5. Personal Statement (PS)
6. Work Product (WP)

Unit: 06

Unit Title: Rendering and Finishes according to specification

Level: II

Credit Unit –7

Credit hours –70

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Materials for rendering and Finishes	1.1	Identify types of rendering/finishes materials								
	1.2	Select required materials and tools in this Task								
	1.3	List the appropriate resources for plaster/POP/Floor finishes								
LO2 Preparation of materials for rendering and Finishes	2.1	Explain the mix ratio of the materials for the Task								
	2.2	Demonstrate mixing techniques								
	2.3	Explain timing of mix batches for the various task								
LO3 Surfaces Preparation and application of rendering materials to surfaces/floors	3.1	Clear surfaces of all dirt and debris.								
	3.2	Wet surface to be rendered								
	3.3	Place plaster/ floor thickness/level/gauge on surfaces								
	3.4	Apply rendering materials on surfaces to specifications								
	3.5	Position and secure fibrous plaster components/POP/Floors								
	3.6	Carry out proper finishes at edges								
	3.7	Protect all freshly finished surfaces from Damage								
LO4 Curing of	4.1	Describe the purpose of curing in rendering works and floors								

Rendering/ finishing Works	4.2	Identify the materials required for curing							
	4.3	Perform various types of curing techniques at appropriate levels							

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature(if sampled)	Date:
EQA Signature(if sampled)	Date:

Unit 7 - Level II (Mason)

Unit Title: Repair and Rectify Masonry structures

Unit reference number: CONMS007L2

NSQ level: 2

Credit value: 7

Guided learning hours: 70

Unit Purpose:

At the end of this unit, the learner should be able to; determine causes of damage to structural components and carry out remedial works.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior learning (RPL)
5. Personal Statement (PS)
6. Work Product (WP)

Unit: 07
Unit Title: Repair and Rectify Masonry structures
Level: II
Credit Unit –7
Credit hours –70

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Faulty or damage on masonry works	1.1	Carry out periodic investigation of the Structure								
	1.2	Determine previous repair / rectification works on the structure								
	1.3	Identify minor causes of faults and damages.								
LO2 Materials, tools, and equipment for work	2.1	Identify various types of materials tools and equipment								
	2.2	Select various types of materials tools and equipment								
LO3 Faulty or damage portion removal	3.1	Identify and select various necessary tools and equipment for the work								
	3.2	Determine the procedures for the removal of damaged portion								
	3.3	Remove damaged portions using appropriate safety measures.								
LO4 Repair /Replace faulty portion of the structures	4.1	Identify the materials required								
	4.2	Select and prepare the material required								
	4.3	Repair/replace damaged portion								

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO5 Finish of repaired/replaced portion of work	5.1	Identify and select required materials for the works								
	5.2	Prepare materials for all finishing work and cure the repaired and replaced portion of work								
LO6 Dismantle /remove/lifting/ Lowering Equipment										
	6.1	Carry out dismantling procedures								
	6.2	Dismantle and store used materials /equipment								
	6.3	Ensure proper house keeping								

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

QUALIFICATION: - MASONRY WORKS

Level reference number: CONMS000L3

NSQ level: 3

Credit value: 40

Guided learning hours: 400

Total learning hours 1000 +		
Guided learning hours	Independent learning hours	Work-based learning hours
400	600	+ (based on training needs)

Level Purpose: This qualification is for the Senior Mason, who needs to be familiar with assistant mason and masons job descriptions as well as coordinate and carryout advanced masonry works.

Level assessment requirements/evidence requirements

There are eight (8) compulsory units (Units 1,2, 3, 4, 5, 6,7 and 8) and any other one unit out of the other two (2) units to enable the learner qualify for NSQ Level III in Senior Mason. There will be no simulation exercise (except in Health and Safety), all evidence are to be obtained directly on site.

The evidence required for this level includes:

6. Questions and Answers QA
7. Direct Observation (DO)
8. Recognition of prior learning (RPL)
9. Witness Testimony (WT)
10. Personal Statement (PS)/ Reflective Journal (RJ)
11. Work product (WP)
12. Professions Discussion (PD)

LEVEL 3: SENIOR MASON

Purpose of Qualification: This qualification is for Mason, who is to supervise Assistant Mason and Mason and carry out advanced masonry work.

QUALIFICATION SUMMARY						
UNIT	CREDIT VALUE	REF NO	GLH	UNIT `	REMARKS	PAGE NO
01	4	CONMS001L3	40	Health, Safety and Environment	Mandatory	
02	3	CONMS002L3	30	Communication system in a work environment	Mandatory	
03	1	CONMS003L3	10	Team Work in Construction Environment	Mandatory	
04	6	CONMS004L3	60	Special structures	Mandatory	
05	9	CONMS005L3	90	Masonry Work in high-rise complex structures elements and techniques in construction	Mandatory	
06	9	CONMS006L3	90	Plastering on Internal/External surfaces of masonry structures and POP works	Mandatory	
07	4	CONMS007L3	40	Plan, organise and estimate works to meet required standard	Mandatory	
08	3	CONMS008L3	30	Water proofing work on masonry structures	Mandatory	
09	6	CONMS009L3	60	Decorative Moulding Installation	Optional	
10	6	CONMS010L3	60	Terrazo Flooring	Optional	

Total Credit hours required: 400

NSQ Level: 3

Unit 1 - Level ² III (Senior Mason)

Unit Title: Health, Safety and Environment

Unit reference number: CONMS001L3

NSQ level: 3

Credit value: 4

Guided learning hours: 40

Unit Purpose:

At the end of this unit learners should be able to maintain good personal hygiene and direct carry out work activity in a safe manner to prevent hazards.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

7. Direct Observation (DO)
8. Question And Answers (QA)
9. Witness Testimony(WT)
10. Recognition of Prior Learning (RPL)
11. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 01

Unit Title: Health, Safety and Environment

Level: III

Credit Unit –4

Credit hours –40

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO 1 Personal health and hygiene	1.1	Wear clean, smart and appropriate personal Protective Equipment.								
	1.2	Work safely at all times, complying with health and safety and other relevant regulations and Guidelines.								
	1.3	Get any cuts, grazes and wounds Treated by the appropriate person.								
	1.4	Report illness and infection promptly to the appropriate Persons.								
	1.5	Summarize own responsibility under the health and safety Act as it relates to own occupation.								
	1.6	Guide others on general rules of Hygiene that must be followed.								
	1.7	Supervise the use of Personal Protection Equipment such as Head Protection, Foot Protection, Face and eye Protection, Hand and Body protection and Regulatory Protection.								
	1.8	State the importance of maintaining good personal Hygiene.								
	1.9	Describe how to deal with cuts, grazes and wounds and why it is important to do so								
LO 2 Hygiene, safe and hazard free	2.1	State the importance of working in								

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		in the workplace and how to deal with them								
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Unit 2- Level III (Senior Mason)

Unit Title: Communication system in a work environment

Unit reference number: CONMS002L3

NSQ level: 3

Credit value: 3

Guided learning hours: 30

Unit Purpose:

To establish a quality communication system that is responsive and reflective in meeting workers and employers need, in work environment

Unit assessment requirements/evidence requirements

The evidence required for this level include:

1. Direct Observation (DO)
2. Question And Answers (QA)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 02

Unit Title: Communication system in a work environment

Level: 3

Credit Unit –3

Credit hours –30

LO (Learning outcome) Criteria:-		Performance Criteria	Evidence Type				Evidence Ref Page number			
LO1: Complex communication system in a Work environment	1.1	Supervise the use of audio, electronic, electro-magnetic means to pass on necessary information								
	1.2	Describe simple non-verbal means of communication								
	1.3	Read and interpret concept of symbols and signs appropriate								
LO2: Source of information in a work environment	2.1	Participate in <u>creating and making</u> functional the source of information in an organization and work Environment.								
	2.2	Make accessible the source of information in an organization or work environment								
	2.3	Relate appropriately with the source of information								
	2.4	Use the various information flow system in an organization or work environment to overcome challenges								
	2.5	Ensure proper documentation retrieval of information in accordance to procedure in a work environment								
LO3: Communication means in a work environment	3.1	Ensure the accessibility of the communication equipment in the work environment								
	3.2	Describe the effective use of the various communication channels in a work environment								
	3.3	Demonstrate the use of								

Unit 3- Level III (Senior Mason)

Unit Title: Team Work in Construction Environment

Unit reference number: CONMS003L3

NSQ level: 3

Credit value: 1

Guided learning hours: 10

Unit Purpose:

At the end of this unit, the learner should be able to recognise and explain the benefit team work and the roles and responsibilities of team members.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Credit hours –10

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Various teams in the construction site	1.1	Distinguish between various teams e.g. Masonry, Carpentry, Iron bending, Plumbing etc.								
LO2 Roles of the various Teams										
	2.1	Identify the function of each team.								
	2.2	Discuss the function of each team								
	2.3	Differentiate between the function of each team								
LO3 Requirement of various teams										
	3.1	Select materials and tools required for each team.								
	3.2	Differentiate types of materials, tools and equipment requirement for each team								
	3.3	Discuss the method of carrying out Activities for each team.								
LO4 Benefit of various teams.										
	4.1	Recognize the sequence of various team activities								
	4.2	Differentiate between various time frame of each team activity								
	4.3	Deliver quality output as a team								
LO5 Communication with co-workers, Superiors and subordinates across different teams										
	5.1	Communicate work related information/requirement clearly to team members								
	5.2	Inform co-workers and superiors about any kind of deviation from work Planned								
	5.3	Address the problems effectively if need be report to appropriate person.								
	5.4	Gather instructions from superiors and respond effectively								
	5.5	Communicate to team members/subordinates of the right Work techniques and methods.								
	5.6	Obtain clarification and advice from superiors as per work information where necessary								

Learner's Signature:

Date:

Assessor's Signature:

Date:

IQA Signature(if sampled)

Date:

EQA Signature(if sampled)

Date:

Unit 4- Level III (Senior Mason)

Unit Title: Special Structures

Unit reference number: CONMS004L3

NSQ level: 3

Credit value: 4

Guided learning hours: 40

Unit Purpose:

At the end of this unit, the learner should work with complex materials, components and equipment carry out special work in building structures.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 04
Unit Title: Special structures
Level: 3
Credit Unit –6
Credit hours –60

LO (Learning outcome) Criteria:-			Evidence Type				Evidence Ref Page number			
LO1 Complex materials, components, and techniques	1.1	List special structures in building.								
	1.2	Identify different types of tools and equipment for the work.								
	1.2	Identify and select materials required for the work								
LO2										
Special structural drawings	2.1	Interpret drawings for special structures								
	2.2	Carry outwork in accordance with specification								
LO3										
Special works in masonry work	3.1	Work on elevated platform								
	3.2	Carry out installation of precast Elements								
	3.3	Assemble and dismantle elevated Platform								
	3.4	Calculate material required to carry out special work.								

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature(if sampled)	Date:

EQA Signature(if sampled)	Date:
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Unit 5- Level III (Senior Mason)

Unit Title: Masonry Work in high-rise complex structures elements and techniques in construction

Unit reference number: CONMS005L3

NSQ level: 3

Credit value: 9

Guided learning hours: 90

Unit Purpose:

At the end of this unit, the learner should be able to carry out preparatory work, construct walls of different types, ensure alignment and carry out special works in building construction.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 05

Unit Title: Masonry Work in high-rise complex structures elements and techniques in construction

Level: 3

**Credit Unit –
9**

Credit hours –90

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Preparatory work to commence masonry works	1.1	Read and interpret working drawings, before commencement of works								
	1.2	Identify and transfer required levels using the right tools								
	1.3	Ensure tools are in Good working Conditions								
	1.4	Inspect and check for adequate wetness and roughness of surfaces.								
	1.5	Set out Layout as per instructions from Superiors								
	1.6	Recognize complex techniques and Construction.								
	1.7	Assemble and dismantle scaffolding								
LO2 Inspect materials used for bricks/blocks/stone works and POP	2.1	Certify quality of bricks /block/stone before Usage								
	2.2	Ensure fine aggregate is sieved as per grade requirement								
	2.3	Ensure brick, block, stone are soaked Before usage.								
LO3 Construction of load bearing and non load bearing walls , columns, beams and Floors	3.1	Identify and select the required tools and equipment with regards to the task at hand								
	3.2	Cut bricks, block, stone, concrete element, to required shapes and sizes for various work application.								
	3.3	Construct floors, bricks, blocks, stones and concrete element using the right mortar								
	3.4	Maintain the courses of brick/block stone work and floors at the required level								

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature(if sampled)	Date:
EQA Signature(if sampled)	Date:

Unit 6- Level III (Senior Mason)

Unit Title: Plastering on Internal/External surfaces of masonry structures and POP works

Unit reference number: CONMS006L3

NSQ level: 3

Credit value: 9

Guided learning hours: 90

Unit Purpose:

At the end of this unit, the learner should be able to carry out complex plaster works, produce and install POP works and ensure alignment of masonry works.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Work Product (WP)
6. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 06

Unit Title: Plastering on Internal/External surfaces of masonry structures and POP works

Level: 3

Credit Unit

–9

Credit hours –90

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO 1 Preparatory works before commencement of plastering work	1.1	Interpret sketches for plastering Works								
	1.2	Identify and select the right materials, tools and equipment for the work								
	1.3	Make good surfaces to receive plaster material								
	1.4	Carry out plastering works according to required specifications								
	1.5	Produce appropriate level and make any grooves or lines on surfaces according to specification								
LO 2 Inspection of materials used for rendering	2.1	Ensure sieving of fine aggregate as per grade required								
	2.2	Check quality of surfaces to be Rendered								
	2.3	Check for quality and consistency of cement mortar mix								
LO 3 Internal/external rendering of masonry structures	3.1	Identify and select the right tools and equipment for rendering work as given in the specification								
	3.2	Wet surfaces sufficiently before								

[illegible]

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature(if sampled)	Date:
EQA Signature(if sampled)	Date:

Unit 7 - Level III (Senior Mason)

Unit Title: Plan, organise and estimate works to meet required standard

Unit reference number: CONMS007L3

NSQ level: 3

Credit value: 4

Guided learning hours: 40

Unit Purpose:

At the end of this Unit, the learner should be able to estimate, prioritise and organise resources for construction activities and resolve conflicts at the work place.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 07

Unit Title: Plan, organise and estimate works to meet required standard

Level: 3

Credit Unit –4

Credit hours –40

LO (Learning outcome)		Criteria:-	Evidence Type				Evidence Ref Page number			
LO1 Prioritization of work activities	1.1	Achieve targets and timeline set by superiors								
	1.2	Plan work activities with regards to schedule and sequence								
	1.3	Give instructions to subordinates to achieve desired results								
LO2 Resources Required before the Commence ment of Work										
	2.1	Select and arrange required resources before the commencement of work.								
	2.2	Select and apply correct tools and Equipment for completion of work.								
	2.3	Use allocated resources to complete Works								
	2.4	Allocate human resources according to work schedule.								
	2.5	Use resources optimally to avoid Unnecessary wastage.								
LO3 Estimation of cost of materials for a particular section/element of work										
	3.1	Estimate the quantity of raw materials required for the work.								
	3.2	Estimate the cost of materials required for the section of work								

Unit 8 - Level III (Senior Mason)

Unit Title: Water proofing work on masonry structures

Unit reference number: CONMS008L3

NSQ level: 3

Credit value: 3

Guided learning hours: 30

Unit Purpose:

At the end of this Unit, the learner should be able to identify waterproofing materials and undertake waterproofing works effectively.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (Q&A)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 08
Unit Title: Water proofing work on masonry structures
Level: 3
Credit Unit –3
Credit hours –30

LO (Learning outcome)			Criteria:-		Evidence Type				Evidence Ref Page number			
LO1 Preparatory work before water Proofing	1.1	Identify and rectify defects including sealing materials										
	1.2	Clean and prepare surface to be water Proofed appropriately.										
	1.3	Identify and select appropriate water proofing materials suitable for work.										
LO2 Inspection of materials for water proofing	2.1	Examine quality of cement, sand and water proofing additive for usage										
	2.2	Inspect the consistency of grouting Materials										
	2.3	Ascertain the usability of the waterproofing materials.										
LO3 Application of water proofing Material	3.1	Mark and transfer required level on surfaces of work										
	3.2	Prepare and apply waterproofing cementations mixture on surfaces to required specification										
	3.3	Protect waterproofed surface from any damage and for further leakage.										
	3.4	Install water bar according to specification e.g. basement tanking, swimming pool etc										
LO4 Line, level and alignment	4.1	Identify and transfer required level using appropriate tools										
	4.2	Check horizontal vertical alignment using appropriate tools										
	4.3	Mark and transfer required level at regular intervals.										

earners Signature:

Date:

Assessors Signature:

Date:

IQA Signature (if sampled)

Date:

Unit9- Level III (Senior Mason)

Unit Title: Decorative Moulding Installation

Unit reference number: CONMS009L3

NSQ level: 3

Credit value: 6

Guided learning hours: 60

Unit Purpose:

At the end of this unit, the learner should safely undertake decorative moulding using the appropriate tools and materials.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 09

Unit Title: Decorative Moulding Installation

Level: 3

Credit Unit: 6

LO (Learning Outcome)		Criteria	Evidence Type				Evidence Ref Page number			
LO 1: Identify and select appropriate tools.	1.1	Read and interpret simple sketches and drawings								
	1.2	Identify and select tools required								
	1.3	Inspect and ensure moulding forms are cleaned and free from dirt and cracks								
	1.4	Clean work area and confirm that surface of work is leveled.								
LO 2 Identify and select appropriate materials.	2.1	Confirm that surface is wet/rough enough to receive mouldings								
	2.2	Identify and select materials to be used								
	2.3	Use adequate mix ratio								
	2.4	Follow mix duration/time sequence.								
LO 3: Carry out decorative moulding to the required standard of quality	3.1	Carry out proper alignment of the surface to receive moulding.								
	3.2	Use appropriate tools to check horizontal alignment.								
	3.3	Use straight edge to ensure line/level the surface to receive moulding.								
	3.4	Prepare surface to receive mouldings								
	3.5	Install decorative moulding using appropriate tools and equipment								
	3.6	Fill joints with appropriate mortar and temporary support								
	3.7	Ensure moulding installation is dry enough before removal of temporary support								

Learner's Signature:

Date:

Assessor's Signature:

Date:

IQA Signature(if sampled)

Date:

EQA Signature(if sampled)

Date:

Unit 10- Level III (Senior Mason)

Unit Title: Terrazo Flooring

Unit reference number: CONMS010L3

NSQ level: 3

Credit value: 6

Guided learning hours: 60

Unit Purpose:

At the end of this unit, the learner should undertake terrazzo works appropriately to the required standard.

Unit assessment requirements/evidence requirements

The evidence required for this level includes:

1. Direct Observation (DO)
2. Question and Answers (QA)
3. Witness Testimony (WT)
4. Recognition of Prior Learning (RPL)
5. Personal Statement (PS)/ Reflective Journal (RJ)

Unit: 10

Unit Title: Terrazzo Flooring

Level: 3

Credit Unit: 6

LO (Learning Outcome)	Criteria	Evidence Type	Evidence Ref	Page number
LO 1: Identification of tools and terrazzo materials.	1.1 Read and interpret simple sketches and drawings specification.			
	1.2 Identify and select tools and equipment.			
	1.3 Ensure the surface of work is wet, leveled and free from dirt/grease			
	1.4 Identify and select materials required for stages of work.			
LO 2 Prepare mixes and lay terrazzo based on specification	2.1 Prepare adequate mix based on mix ratio for every stage			
	2.2 Ensure mix duration/time sequence is followed			
LO 3 Construction, placement and curing of terrazzo screed	3.1 Prepare and lay ordinary cement/sand mortar to level			
	3.2 Install paneling material e.g. ebonite strip to the required design shapes			
	3.3 Prepare and place pigment cement/marble/additive mix of required thickness			
	3.4 Ensure surface is leveled, well compacted manually/mechanically.			
	3.5 Protect work from damage.			
	3.6 Ensure proper house keeping			
	3.7 Cure surface appropriately.			
LO 4: Finishing of terrazzo flooring	4.1 Observe all safety precautions before using machine			
	4.2 Ensure all tools are in good working condition			
	4.3 Ensure proper grading of tones			
	4.4 Undertake washing in the required sequence			
	4.5 Wash cured surfaces to achieve specified finish and thickness			

Learner's Signature:

Date:

Assessor's Signature:

Date:

IQA Signature(if sampled)

Date:

EQA Signature(if sampled)

Date: