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.

- 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											
	CREDIT					PAGE					
UNIT	VALUE	REF NO	GLH	UNIT	REMARKS	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

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

Unit Title: Health, Safety and Environment

Level: 1 Credit Unit: 2 Credit Hours: 20

LO (Learnin Outcome)	g	Criteria	Evidence Type	Evidence Ref Page number
LO 1: Maintain	1.1	Wear clean, smart and appropriate personal Protective Equipment.		
personal	1.2	Work safely at all times, complying		
health and		with health and safety and other		
hygiene		relevant regulations and Guidelines.		
	1.3	Identify appropriate person to treat		
		any cuts, grazes and wounds.		
	1.4	Report illness and infection promptly		
	4.5	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		
	1.0	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		
100	0.4	Ctata the importance of working in a		
LO 2	2.1	State the importance of working in a healthy, safe and hygienic workplace		
Maintain a	2.2	Report any accidents or near		
hygienic, safe and	2.2	accidents quickly and accurately to		
hazard free		the proper person.		
workplace.	2.3	Follow health, hygiene and safety		
	2.0	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		
	0.0	protection methods		
	2.8	Identify any hazards or potential hazards and deal with these		
		correctly.		
	2.9	State where information about health		
	5	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		

	_							
		personally and those that should be						
		reported to someone else						
100	-							
LO 3 Maintain a	3.1	State how to warn other people						
hygienic,		about hazards and why this is						
safe and	L	important						
secure	3.2	State why accidents and near						
workplace		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						
	3.4	State where to find the first-aid						
		equipment and who the registered						
		first-aider is in the work place						
	3.5	State safe lifting and handling						
	0.0	techniques that should be followed						
	3.6	State other ways of working safely						
		that are relevant to own position and						
	2.7	why they are important Describe organizational						
	3.7	emergencies procedures, in						
		particular fire, and how these should						
		be followed						
	3.8	State the possible causes for fire in						
	3.6	the workplace						
	3.9	Describe how to minimize the						
	3.7	possibility of fire in the workplace						
	3.10	State where to find the alarms and						
		how to set them off						
	3.11	State why a fire should never be						
		approached unless it is safe to do						
		SO.						
	3.12	State the importance of following the						
	2.12	fire safety laws						
	3.13	, ,						
		procedures and why these are						
	2 14	Important State the importance of reporting all					-	
	3.14	usual or non- routine incidents to the						
		appropriate personnel						
		I .	1	1	1			

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

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 Title: Communication system in a work environment

Level: 1 Credit Unit –1 Credit hours –10

LO (Learning outcome)		Performance Criteria	Evi Typ	denc	e		Re	ideno f Pao mber	ge	
LO1: Use simple	1.1	Use a simple verbal means to pass on necessary information								
communication system in a work environment	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	2.1	Locate the source of information in an organization and work Environment.								
source of information in	2.2	Relate appropriately with source of information								
a work Environment.	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	3.1	Locate the various communication equipment in the work environment								
communicat- ion means in a 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.								

EQA Signature (if sa	ampled)				ı	Dat	e:				
Assessors Signature: IQA Signature (if samp	pled)	Date: Date:									
Learners Signature:						Date	ə:				
	Environment.				Ш				L		

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

- 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 Title: Team work in a work environment

Level: 1 Credit Unit –1 Credit hours –10

Credit nours -1	IU						_	. ا- ار		
								vide ef	nce	
LO (Learning								age		
outcome)			Evid	dend	e T	уре		umb	er	
LO 1 Positive working relationship with	1.1	Identify the need for developing positive working relationship with Colleagues.								
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	3.1	Work in line with organizational Standard.								
Organization.	3.2	Use organization code of practice.								
	3.3	Explain organizational code of Conduct.								
Learners Signatu	re:						С)ate	:	
Assessors Signature	: :						D	ate:		
IQA Signature (if sa	ample	d)					D	ate:		
EQA Signature (if sar	mpled)					[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

- 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 Title: Identification of equipment, material handling and storage Level: 1

Credit Unit –2 Credit hours –20

LO (Learning outcome)		Criteria:-	Evidence Type				Ro Pa	vide ef age umb	nce	
LO1 Identify /Select	1.1	Identify manual and mechanically hand tools and equipment relevant to his/her Trade.								
Equipment	1.2	Select and use of hand tools and Equipment relevant to his/her trade.								
LO2 Identify /Select appropriate	2.1	Identify relevant materials to his/her trade.								
material	2.2	Select and use of appropriate materials for a particular work.			-					
LO3 Handling Material, tools	3.1	Comply with the given information to Move and handle tools and equipment.								
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	4.1	Comply with the given information to store Resources.								
and material	4.2	Select the required quality and quantity of the resources for the method of storing resources.								
	4.3	Follow sequence of storing Resources.								

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

- 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 Title: Site preparation and excavation Level: 1

Credit Unit –2 Credit hours –20

LO (Learning outo		Criteria:-	Evi Typ	deno ce	nce			Re [®]			
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	2.1	Identify basic tools used in excavation									
surface	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 eccavation									
	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	manually and mechanically. 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

- 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 Title: Mix/Surface Preparation and Bonding

Level: 1 Credit Unit -3 Credit hours -30

LO (Lea	_			ider	nce			Evic	lence	e Ref
	ome)	Criteria:-	Ту	ре				Pag	e nu	mber
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	2.1	Identify materials for its appropriate application								
of materials	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	3.1	Identify different uses and types of bonds								
of brick/block	3.2	Describe different types of bonding								
oonding	3.3	Participate in brick/block bonding works								
LO4 Application of appropriate	4.1	Practice shifting and stacking arrangement of the required Materials for the job.								
materials	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 Signatu	ıre:					Da	ate:			
Assessors Signatu	ıre:						ite:			
IQA Signature (if sampled)						Da	ate:			
EQA Signature sampled)	(if					D	ate			

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

- 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 Title: Erection of simple scaffolding

Level: 1 Credit Unit –1 Credit hours –10

LO (Learning outcom				Evidence Type			Evidence Ref Page number				
LO1 Differentiate types of scaffolding	1.1	Identify different types of scaffolding in the workplace. Explain the different types of plat form/ shuttering in the workplace									
		chatomy in the non-place									
LO2 Differentiate types of materials used	2.1	Identify types of materials used for Scaffolds									
in Scaffolding	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 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.									

EQA Signature (if sampled)	Date:
IQA Signature (if sampled)	Date:
Assessors Signature:	Date:
Learner Signature:	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	<mark>450</mark>	+ (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.

- 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

			QU <u>I</u>	ALII ICA	TION SUMMART		
		CREDIT VALUE					PAGE
U	NIT		REF NO	GLH	UNIT	REMARKS	NO
0	1	· 4 ·	CONMS001L2	40	Health, Safety and Environment	Mandatory	
02	2	4	CONMS002L2	40	Communication system in a work environment	Mandatory	
03	8	3	CONMS003L2	30	Team Work in Construction Environment	Mandatory	·
04	4	6	CONMS004L2	60	Set out masoriry Structures	Mandatory	
0	5	<u>6</u>	CONMS005L2	<mark>60</mark>	Erection of masonry works: using appropriate tools and equipment	Mandatory	·
06	6		CONMS006L2	<mark>70</mark>	Rendering and Finishes according to specification	Optional`	·
07	7		CONMS007L2	<mark>70</mark>	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

- 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 Title: Health, Safety and Environment Level: II

Credit Unit –4
Credit hours –40

LO (Learning out	come)	Criteria:-	Evi Typ	den e	се		Re Pa	nce er	
LO 1 Personal health	1.1	Wear clean, smart and appropriate personal Protective Equipment.							
and hygiene	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							

Hygiene, safe and hazard free workplace.		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 safely					
		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 personally and those that					
		should be reported to someone					
		Else					
LO 3	3.1						
Hygiene, safe and secured workplace	Ti.	State how to warn other people about hazards and why this is important.					

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					

	3.4	State where to find the first-aid			
		equipment and who the			
		registered first-aider is in the			
		work place			
	3.5	State safe lifting and handling			
		techniques that should be			
		Followed			
;	3.6	State other ways of working safely		+	
		that are relevant to own position			
		and why they are important			
+	3.7	Describe organizational		_	
		emergencies procedures, in			
		particular fire, and how these			
		should be followed			
}	3.8	State the possible causes for fire			
		in the workplace			
+	3.9	Describe how to minimize the			
		possibility of fire in the workplace			
)	3.10	State where to find the alarms and			
		how to set them off			
;	3.11	State why a fire should never be		_	
		approached unless it is safe too			
}	3.12	State the importance of following			
		the fire safety laws			
,	3.13	Describe organizational security			
		procedures and why these are			
		Important			
+	3.14	State the importance of reporting			
		all usual or non- routine incidents			
		to the appropriate personnel			
Laarnar Signatura			Data		
Learner Signature:			Date:		
Assessors Signature:			Date:		
IQA Signature (if samp	oled)		Date:		
			Date		
EQA Signature (if	samp	led)	:		

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

- 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 Title: Communication system in a work environment

Level: II Credit Unit –2 Credit hours –20

LO (Learning outcome) Criteria:-		Performance Criteria	Evid	denc	е Тур	e	R	videnc ef Pag umber	
LO1: Non complex communicatio	1.1	Use a simple verbal means to pass on necessary information						_	
n system in a work environment	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	2.1	Locate the source of information in an organization and work Environment.							
a 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: Communicatio n n means in a	3.1	Locate the various communication equipment in the work environment							
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.							
101									
LO4:		Describe team role and scope							\vdash
Team-work		Identify own role and responsibility within the team Recognize requirement of team							

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

work

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

- 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 Title: Team Work in Construction Environment

Level: II Credit Unit -3 Credit hours -30

LO (Learning outc	ome)	Criteria:-	Ev Ty	iden pe	ice	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	2. 1	List the function of each team member											
various teams	2. 2	Discuss the function of each team											
	2.3	Differentiate between the function of each team											
LO3 Requirement of	3. 1	Identify materials and Tools required for each team member.											
various teams	3.	Enumerate the function of tools and equipment required for each team											
	3.	Describe the method of carrying out activities for each team.											
LO4 Benefit of	4.1	Recognize the sequence of various team activities											
team work.	4.2	Differentiate between various time frame of each team activity											
	3	Deliver quality output as a team											

		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	e:			

Assessors Signature:	Date:	
IQA 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

- 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 Title: Set out masonry Structures Level: II

Credit Unit -6 Credit hours -60

LO (Learning outcome)		Criteria:-		iden oe	се			Evidence Ref Page number						
LO1 Materials, tools	1.1	Distinguish the various types of materials, tools and equipment required in setting out.												
and equipment Required for setting out	1.2	Select the various types of materials, tools and equipment required in setting out.												
ouning out	1.3	Assemble the various types of materials, tools and equipment required in setting out.												
LO2	2.1													
Elementary building drawings		Interpret Measuring unit and device.												
building drawings	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	2.4													
Methods of	3.1	Explain the methods of setting out with examples												
setting out	3.2	State various simple setting out tools												
LO4														
Set out simple	4.1	Identify and indicate site boundaries												
masonry structure	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: Assessors Signature:	<u> </u>	Date:												
IQA Signature (if sampl	ed)			D	ate:									
EQA Signature (if	samı	oled)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

- 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 Title: Erection of masonry works: using appropriate tools and equipment Level: II

Level: II
Credit Unit -6
Credit hours -60

LO (Learning outcome)		Criteria:-					Evidence Ref Page number					
LO 1	1.1	Identify and use the tools and										
Tools, materials and equipment		equipment for masonry works										
and oquipment	1.2	Select materials for masonry work										
		and apply them in construction.										
LO 2	2.1	Determine the different types of										
Bricks, stone,		blocks/bricks/concrete wall and										
block wall, concrete walls		their sizes										
and floors	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	3.1					-						
Techniques of	0.1	Enumerate types of natural stone.										
·	3.2	Determine the appropriate courses										
laying natural		to attain at certain level										
stone structures	3.3	State purpose and condition										
		under which stone work is										
		Employed										

LO 4	
Multi thickness	s

		I	l				
4.1	Identify different types and						
	purpose of wall thickness						

walls and piers	4.2	Indicate the length at which double multi piers of wall will be introduced							
	4.3	Use expansion joint materials							
LO 5 Types of stairs /steps	5.1	Identify different types of staircase and steps							
and method of construction	5.2					\dashv	+	+	++
		Describe the various part of a stair case e.g threads, riser, Landing.							
	5.3	Describe method of fixing handrails.							
	5.4	Explain method of fixing and placement of reinforcement.							
LO 6 Curing in masonry structures									
structures	6.1	State the purpose of curing							
		in masonry structures							
	6.2	Identify the materials required in				\neg		+	
		curing masonry structures							
	6.3	Perform various types of curing				\dashv		+	+
		techniques at required intervals							
Learner Signature: Date:					:				

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

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

- 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 Title: Rendering and Finishes according to specification Level: II

Credit Unit –7 Credit hours -70

LO (Learning outc	ama)	Criteria:-	Ev Tyl	iden	се			vide ef	nce	
LO (Learning outc	omej	Citteria	'y 	ρ c			Pa nu	age umb	er	
LO1	1.1	Identify types of rendering/finishes materials								
Materials for rendering and Finishes	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	2.1	Explain the mix ratio of the materials for the Task								
rendering and Finishes	2.2	Demonstrate mixing techniques								
1	2.3	y ,								
	2.0	Explain timing of mix batches for the various task								
LO3	2.4									
Surfaces	3.1	Clear surfaces of all dirt and debris.								
Preparation and	3.2	Wet surface to be rendered								
application of		Tonidorou								
rendering	3.3	Place plaster/ floor thickness/level/gauge								-
materials to		on surfaces								
surfaces/floors	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	4.1	Describe the purpose of curing in rendering works and floors								
Curing of		.ssing none and noor								

Rendering/ finishing Works	4.2	dentify 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

- 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 Title: Repair and Rectify Masonry structures Level: II

Level: II
Credit Unit –7
Credit hours –70

LO (Learning outco		Criteria:-	Ev Ty _l	iden pe	ice		R	vide ef age umb	nce er	
LO1 Faulty or damage on masonry works LO2 Materials, tools, and equipment for work	1.1	Carry out periodic investigation of the Structure Determine previous repair / rectification works on the structure Identify minor causes of faults and damages. Identify various types of materials tools and equipment 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 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 Select and prepare the material required								
	4.3	Repair/replace damaged portion								

LO (Learning outco	me)			Evidence Type		R P	vide ef age umb		
LO5	5.1								
Finish of		Identify and select required materials for the works							
repaired/replaced portion of work	5.2	Prepare materials for all finishing work and cure the repaired and replaced portion of work							
LO6	0.4								
Dismantle /remove/lifting/	6.1	Carry out dismantling procedures							
Lowering Equipment	6.2	Dismantle and store used materials /equipment							
	<mark>6.3</mark>	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
<mark>400</mark>	<mark>600</mark>	+ (based on training needs)

This qualification is for the Senior Mason, who Level Purpose: 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.

- 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)
- Work product (WP) 11.
- 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.

		OHALI		ON CHIMMA DV		
	CREDI T		GLH	ON SUMMARY	DEMARKO	PAGE
UNIT	VALUE	REF NO		UNIT `	REMARKS	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	<mark>6</mark>	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	<mark>6</mark>	CONMS009L3	<mark>60</mark>	Decorative Moulding Installation	Optional	
10	<mark>6</mark>	CONMS010L3	<mark>60</mark>	Terrazo Flooring	Optional	

Total Credit hours required: 400

NSQ Level: 3

2

Unit 1 - Level 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

- 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 Title: Health, Safety and Environment Level: III

Level: III
Credit Unit –4
Credit hours –40

LO (Learning outco	ome)	Criteria:-	Evi Typ	den	ce		Re Pa	/ide ef age imb	
LO 1	1.1	Wear clean, smart and appropriate personal Protective Equipment.							
Personal health									
and hygiene	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							

Workplace.		a healthy, safe and hygienic Workplace				
	2.2	Report any accidents or near accidents quickly and accurately to the proper person.				
	2.3	Promote health, hygiene and safely procedures during work				
	2.4	Practice emergency procedures during work				
	2.5	Ensure organizational security procedures are followed				
	2.6	Ensure the disposal of waste and Pollution control with organic and Inorganic waste disposal methods.				
	2.7	Promote sound and noise control and protection methods				
	2.8	Supervise identification of 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	Differentiate between hazards that can be dealt with personally and those that should be reported to Appropriate personnel.				
LO 3 Hygiene, safe and secure workplace	3.1	Carry out organizational procedures on how to warn other people about hazards and why this is important				
	3.2	State why accidents and near accidents should be reported and				
	3.3	who they should be reported to Describe the types of emergencies that may happen				

l in					
the workplace and how to deal					
with them					

Assessor's Signature:				Ι	Date:		
Learner's Signature:]	Date:		
		to the appropriate personnel					
		all usual or non- routine incident	เร				
	1.	State the importance of reporting					
	4	•					
		procedures and why these are Important					
	3.13	Describe organizational security					
	0.40	the fire safety laws					
	3.12	State the importance of following					
		approached unless it is safe too					
	3.11	State why a fire should never be					
		how to set them off					
	3.10	State where to find the alarms an	d				
		possibility of fire in the workplace					
	3.9	Describe how to minimize the					
	3.8	State the possible causes for fire in the workplace					
	2.0	should be followed					
		particular fire, and how these					
		emergencies procedures, in					
	3.7	Describe organizational					
		Responsibility and its importance.					
		that are relevant to own position					
	3.6	State other ways of working safe	у				
		with work environment procedure	-				
	3.5	Lift and handle materials in line					
		authorized personnel					
		equipment and locate the					
	3.5	Indicate where to find the first-aid					

Date:

Date:

IQA Signature(ifsampled)

EQA Signature(ifsampled)

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

- 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 Title: Communication system in a work environment

Level: 3 Credit Unit -3 Credit hours -30

LO (Learning outcome) Criteria:-		Performance Criteria	Evidence Type	Ref	dence Page nber	
LO1: Complex communicatio	1.1	Supervise the use of audio, electronic, electro-magnetic means to				
n system in a Work environment	1.2	pass on necessary information 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	2.1	functional the source of information in an organization and work Environment.				
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: Communicatio n means in a	3.1	Ensure the accessibility of the communication equipment in the work environment				
work	-	Describe the effective use of the various communication channels in a work environment Demonstrate the use of				

	3.4	various communication means in a work Environment Ensure effective information flow to the right personnel				
	3.5	Ensure the effective deployment of the use of symbols, signs and codes				
	3.6	Ensure that instructions are obeyed and disseminated in line with ethics of the work environment				
LO4: Communicatio n equipment		Ensure that communication equipment are in good working Condition				
deployment	4.2	Liaise with the maintenance unit to ensure that communication equipment are maintained regularly				
	4.3	Liaise with appropriate authority to replace communication equipment in the event of loss or damage				
	4.4	Ensure that communication equipment are stored appropriately in a work environment				

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature(ifsampled)	Date:
EQA Signature(ifsampled)	Date:

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

- 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 Title: Team Work in Construction Environment

Level: 3 Credit Unit –1 Credit hours –10

LO (Learning outco			Evidence Type					Evidence Ref Page number						
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	3.1	Select materials and tools required for each team.												
Requirement of various teams	3.2	Differentiate <i>types of</i> materials, tools												
		and equipment requirement for each team												
	3.3	Discuss the method of carrying out Activities for each team.												
	4.4													
LO4 Benefit of various	4.1	Recognize the sequence of various team activities												
teams.	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		Communicate work related information/requirement clearly to team members												
subordinates across different teams	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:

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

- 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 Title: Special structures Level: 3

Credit Unit -6 Credit hours -60

LO (Learning outco	ome)	Criteria:-	Evidence Type			Ref Pag			
LO1	1.1	List special structures in building.							
Complex	1.2	Identify different types of tools and equipment for the work.							
materials, components, and techniques	1. 2	Identify and select materials required for the work							
LO2 Special structural drawings	2. 1	Interpret drawings for special structures							
•	<mark>2.2</mark>	Carry outwork in accordance with specification							
1.02							-	_	
Special works in	3. 1	Work on elevated platform							
masonry work	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	Signatur	e(if	sampled)	
-----	----------	------	----------	--

Date:

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 our preparatory work, construct walls of different types, ensure alignment and carry out special works in building construction.

Unit assessment requirements/evidence requirements

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

Level: 3 Credit Unit -

Credit hours -90

LO (Learning outcon	ne)	Criteria:-	Evidence Type			Re Pa	/idei ef age imbe		
Preparatory work to commence masonry works	1.1 1.2 1.3 1.4 1.5	Read and interpret working drawings, before commencement of works Identify and transfer required levels using the right tools Ensure tools are in Good working Conditions Inspect and check for adequate wetness and roughness of surfaces. Set out Layout as per instructions from Superiors Recognize complex techniques and Construction. Assemble and dismantle scaffolding							
Inspect materials used for bricks/blocks/stone works and POP	2.1	Certify quality of bricks /block/stone before Usage Ensure fine aggregate is sieved asper grade requirement							
	2.3	Ensure brick, block, stone are soaked Before usage.							
LO3 Construction of load bearing and	3.1	Identify and select the required tools and equipment with regards to the task at hand							
non load bearing walls , columns, beams and Floors	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 Maintain the courses of brick/block stone work and floors at the required level							

3.5	Cure constructed masonry works					

LO (Learning outcome)		Criteria:-	Evidence Type		Evidence Ref Page number					
LO 4 Alignment of construction	4.1	Carryout proper levelling of construction works to specification								
works	4.2	Use appropriate tools, check for vertical and horizontal alignment								
	4.0									
	4.3	Use straight edge section to								
		ensure line and level of each								
		course of brick/block/stone work								
	4.4	Set out 90° square at corners using builders square and 3:4:5								
		Method and spirit levels.								
LO 5	5.1	Identify and select specialize								
		materials in masonry works								
Specialise Masonry works	5.2	Identify and select tools and								
such as walls, Arches,		equipment for complex jobs								
staircases, Manholes and	5.3	Identify and apply specialized								
Walkways.		techniques in masonry works								
	5.4	Perform raking of joints as specified before drying of bonding Mortar								
	5.5	Fill joints with appropriate mortar to obtain required type of pointing using the right tools and Equipment								
	5.6	Ensure proper curing of pointed Joints								

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

- 1. Direct Observation (DO)
- 2. Question and Answers (Q&A)
- 3. Witness Testimony (WT)

- Recognition of Prior Learning (RPL)
 Work Product (WP)
 Personal Statement (PS)/ Reflective Journal (RJ)

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

Level: 3
Credit Unit

Credit hours -90

LO (Learning outco	ome)	Criteria:-	Evi Typ	iden oe	ce	F	vide lef age umb	
LO 1	1.1	Interpret sketches for plastering						
Preparatory works		Works						
before commencement of	1.2	Identify and select the right						
plastering work		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	2.1	Ensure sieving of fine aggregate						
		as per grade required						
materials used for	2.2	Check quality of surfaces to be Rendered						
rendering	2.3	Check for quality and consistency of cement mortar mix						
LO 3	3.1	Identify and select the right tools						
Internal/extern al		and equipment for rendering work						
rendering of		as given in the specification						
masonry structures	3.2	Wet surfaces sufficiently before						

		Rendering	Rendering									
	3.3	Ensure adherence to right mort mix ratio required.	tar									
	3.4	Apply cement mortar slurry on surfaces uniformly										
	3.5	Ensure uniform thickness according to specification										
	3.6	Finish the surfaces using the right tools and equipment										
	•											
LO (Learning outco	me)	Criteria:-		vidence ype				R	vide ef age umb			
LO 4	4.1	Identify tools and equipment for										
Production and		the work										
installation of POP Works	4.2	Identify and select materials for										
		construction of POP boards and										
		design element										
	4.3	Installation of POP boards and									H	
		Design element.										
											Ш	
LO 5	5.1	Check for vertical levels and										
Line, level and alignment of masonry		horizontal alignment using Appropriate tools and equipment.										
works	5.2	Check for slopes, rise and fall of Floors.										
	5.3	Check for angles and curves if	\vdash	-	+	+				\vdash	$\vdash\vdash$	
		Required										

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

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

Unit Title: Plan, organise and estimate works to meet required standard Level: 3

Level: 3
Credit Unit -4
Credit hours -40

LO (Learning outco	ome)	Criteria:-	Evidence Type			R	vide ef age umb	
LO1	1.1	Achieve targets and timeline set by superiors						
Prioritization of	1.2							
work activities	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	2.1	Select and arrange required resources before the commencement of work.						
Commence ment 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.						
	2.6	Work in line with specified standards and instructions						
LO3	2.4							
Estimation of cost of materials for a particular		Estimate the quantity of raw materials required for the work.						
section/element of	3.2	Estimate the cost of materials required for the section of work						

	3.3	Estimate cost of labour required for a particular section of work					
LO4 Simple conflict	4.1	Identify the various causes of conflict					
resolution within the	4.2	Determine the <i>required</i> measures for conflict resolutions					
area of coordination	4.3	Carry out resolution without bias.					

LO (Learning outcome)			Evidence Type				nce er			
LO5 Support co-	5.1	Hand over required materials tools, equipment and workforce to interfacing Team.								
workers to execute project	5.2	Work together with co-workers in harmony.								

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

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

- 1. Direct Observation (DO)
- 2. Question and Answers (Q&A)

- Witness Testimony (WT)
 Recognition of Prior Learning (RPL)
 Personal Statement (PS)/ Reflective Journal (RJ)

Unit Title: Water proofing work on masonry structures

Level: 3 Credit Unit -3 Credit hours -30

LO (Learning outcome)		Criteria:- Type F						R Pa	Evidence Ref Page number					
LO1 Preparatory work	1.1	Identify and rectify defects including sealing materials												
before water Proofing	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	2.1	Examine quality of cement, sand and water proofing additive for usage												
proofing	2.2	Inspect the consistency of grouting Materials												
	2.3	Ascertain the usability of the waterproofing materials.												
LO3 Application of	3.1	Mark and transfer required level on surfaces of work												
water proofing Material	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	ک , ۱	Committing poor												
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:

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

- 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 Title: Decorative Moulding Installation

Level: 3 Credit Unit: 6

LO (Learnin Outcome)		Criteria	vic yp	denc e	е	Re	ider f Pa mbe	ge	
LO 1: Identify and	<mark>1.1</mark>	Read and interpret simple sketches and drawings							
select	1.2								
appropriate tools.	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	<mark>2.1</mark>	Confirm that surface is wet/rough enough to receive mouldings							
select appropriate	<mark>2.2</mark>	Identify and select materials to be used							
materials.	<mark>2.3</mark>	Use adequate mix ratio							
	<mark>2.4</mark>	Follow mix duration/time sequence.							
LO 3: Carry out	<mark>3.1</mark>	Carry out proper alignment of the surface to receive moulding.							
decorative moulding to	3.2	Use appropriate tools to check horizontal alignment.							
the required standard of quality	3.3	Use straight edge to ensure line/level the surface to receive moulding.							
quanty	<mark>3.4</mark>	Prepare surface to receive mouldings							
	<mark>3.5</mark>	Install decorative moulding using appropriate tools and equipment							
	3.6	Fill joints with appropriate mortar and temporary support							
	<mark>3.7</mark>	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

- 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 Title: Terazzo 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		
	1.3	equipment. Ensure the surface of work is wet,		
	<mark>۱.۵</mark>	leveled and free from dirt/grease		
	<mark>1.4</mark>	Identify and select materials required for stages of work.		
Prepare mixes and lay terrazzo	2.1	Prepare adequate mix based on mix ratio for every stage		
	2.2	Ensure mix duration/time sequence is followed		
based on specification				
LO 3 Construction, placement	3.1	Prepare and lay ordinary		
	2.0	cement/sand mortar to level Install paneling material e.g. ebonite		
and curing	3.2	strip to the required design shapes		
of terrazzo screed	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	<mark>4.1</mark>	Observe all safety precautions before using machine		
	4.2	Ensure all tools are in good working condition		
	<mark>4.3</mark>	Ensure proper grading of tones		
	<mark>4.4</mark>	Undertake washing in the required sequence		
	<mark>4.5</mark>	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: