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.

		QUAL	IFIC	ATION SUMMARY		
	CREDIT					PAGE
UNIT	VALUE	REF NO	GLH	UNIT	REMARKS	NO
01	2	CONMS001L1	20	Health, Safety and	Mandatory	3
				Environment		
				Communication system in a		
02	1	CONMS002L1	10	work environment	Mandatory	7
				Team Work in Construction		
03	1	CONMS003L1	10	Environment	Mandatory	9
				Identification of equipment,		
				material handling and		
04	2	CONMS004L1	20	storage	Mandatory	11
				Site preparation and		
05	2	CONMS005L1	20	Excavation	Mandatory	13
				Mix/Surface preparation and		
06	3	CONMS006L1	30	Bonding	Mandatory	15
				Erection of simple		
07	1	CONMS007L1	10	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: 01 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		
		to the appropriate Persons.		
	1.5	State own responsibility under the		
		health and safety Act as it relates to		
	10	own occupation.		
	1.6	State general rules on hygiene that		
	1.7	must be followed. State correct Personal Protection		
	1.7	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		
	1.0	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 in a		
Maintain a		healthy, safe and hygienic workplace		
hygienic,	2.2	Report any accidents or near		
safe and hazard free		accidents quickly and accurately to		
workplace.		the proper person.		
Workplace.	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		
	0.7	Inorganic waste disposal methods. Follow sound and noise control and		
	2.7	protection methods		
	20	Identify any hazards or potential		
	2.8	hazards and deal with these		
		correctly.		
	2.9	State where information about health		
	2.0	and safety in your workplace can be		
		obtained		
	2 10	Describe the types of hazards in the		
	2.10	workplace that may occur and how		
		to deal with them		
1	2.11			

		porconally, and those that should be		1			-
		personally and those that should be					
		reported to someone else					
		-				 	
LO 3 Maintain a	3.1	State how to warn other people					
hygienic,		about hazards and why this is					
safe and		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					
		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					
	5.0	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 to do					
		SO.					
	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					

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: 02 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	e		Re	ideno f Paç 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.								

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

- 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

								R	ef	ence	
LO (Learning		Criteria:-		long	<u>ъ т</u>	uno.			age umb		
outcome) LO 1	1.1	Identify the need for		lenc	e r	уре		nu	umu		1
Positive working relationship with Colleagues.	1.1	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.									
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	earners Signature:							C)ate	:	
Assessors Signature IQA Signature (if sa		d)							ate: ate:		
EQA Signature (if sar	npled)						[Date):	

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

LO (Learning outcome)		Criteria:-	Evidence Type				R Pa	vide ef age umb	nce er	
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							\vdash			
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	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: 05 Unit Title: Site preparation and excavation Level: 1 Credit Unit –2 Credit hours –20

LO (Learning outo	ome)		Evidence Type		F	Evide Ref Page iumt			
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.							
	<mark>2.7</mark>	Assist in treatment of earth surfaces.							
LO3 Backfill level and	3.1								
compact earth		Describe the procedures involved in filling leveling and compaction of earth manually and mechanically.							
	3.2	Backfill excavated material	<u> </u>				_		
	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: 06 Unit Title: Mix/Surface Preparation and Bonding Level: 1 Credit Unit –3 Credit hours –30

LO (Lea	LO (Learning Evide								Evidence Ref				
	ome)	Criteria:-	Ту	pe	1			Pa	age	nun	nber		
LO1 Preparation of work surfaces	1.1	Make the surface hard and clean from dirt/debris/grease or any other impurities											
work canadoo	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											
bonding	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	ire:					Da	ate						
Assessors Signatu	ire:					Da	te:						
IQA Signature (if sampled)						Da	ite:						
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: 07 Unit Title: Erection of simple scaffolding Level: 1 Credit Unit –1 Credit hours –10

LO (Learning outcom		Criteria :-	Evi Typ	den be	се		Re Pa	/ide ef age Imb	
LO1 Differentiate types of scaffolding	1.1	Identify different types of scaffolding in the workplace.							
		shuttering in the workplace		-					
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	3.1								
Erection of		Identify and convey different types of scaffolding being used on site							
Scaffolds	3.2	Explain the method of erecting different types of scaffolding							
LO4	4.1	Explain the method used in dismantling different types of scaffolding							
Dismantling of Scaffolds		dismanting different types of scallolding							
LO5	5.1	Describe appropriate methods of							
Storage of Scaffolding materials		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.

		CREDIT					PAGE
	NIIT	VALUE					
	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	
0:	3	3	CONMS003L2	30	Team Work in Construction Environment	Mandatory	
04	4	6	CONMS004L2	60	Set out masonry Structures	Mandatory	
0	5		CONMS005L2	<mark>60</mark>	Erection of masonry works: using appropriate tools and equipment	Mandatory	
06	6	<mark>7</mark>	CONMS006L2	<mark>70</mark>	Rendering and Finishes according to specification	Optional`	
0	7	7	CONMS007L2	<mark>70</mark>	Repair and Rectify Masonry structures	Optional	

QUALIFICATION SUMMARY

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: 01

Unit Title: Health, Safety and Environment Level: II Credit Unit –4 Credit hours –40

LO (Learning out	come)	Criteria:-	Evi Typ	iden be	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							

	2.2	Report any accidents or near		-	H		
		accidents quickly and accurately					
		to the proper person.					
	2.3	Follow health, hygiene and safely					
	2.0	procedures during work					
	2.4	Practice emergency procedures			H		
		during work					
	2.5	Follow organizational security	 _	_	Н		
		Procedures					
		Ensure the disposal of waste			Н		
	2.6	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	\neg		H		
		with personally and those that					
		should be reported to someone					
		Else					
LO 3	3.1				Η		
Hygiene, safe and secured workplace		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					

1	1 1		 		1	1	
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 safe	у		-			
	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 an	d		-			
	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						
							-

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

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: 02 Unit Title: Communication system in a work environment Level: II Credit Unit –2 Credit hours –20

LO (Learning outcome) Criteria:-		Performance Criteria	Evic	dence	е Тур	e	Re	denc f Pag nber	
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 a work	2.1	Locate the source of information in an organization and work Environment.							
Environment.		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.							
	0.1					Ц			
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.							
LO4:		Describe team role and scope				Ц			
Team-work		Identify own role and responsibility within the team							
	3.3	Recognize requirement of team							

		work				
the second se						

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

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, <mark>the</mark> 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)

LO (Learning outc	ome)	Criteria:-	Ev Tyj	iden be	ce		R Pa	vide ef age umb	
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									
	3. 1	Identify materials and Tools required for each team member.							
Requirement of									
various teams	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	4.1	Recognize the sequence of various team activities							
team work.	4.2	Differentiate between various time frame of each team activity							
	4. 3	Deliver quality output as a team							

Learner Signature:

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

- 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

Distinguish the various types of materials, tools and equipment required in setting out. 2 Select the various types of materials, tools and equipment required in setting out. 3 Assemble the various types of materials, tools and equipment required in setting out. 3 Assemble the various types of materials, tools and equipment required in setting out. 4 Interpret Measuring unit and device. 2 Read and interpret various types of scales used. 3 Interpret simple sketches.									
and equipment required in setting out. Assemble the various types of materials, tools and equipment required in setting out. Interpret Measuring unit and device. Read and interpret various types of scales used. Interpret simple sketches.									
tools and equipment required in setting out. Interpret Measuring unit and device. Read and interpret various types of scales used. Interpret simple sketches.									
Interpret Measuring unit and device. Read and interpret various types of scales used. Interpret simple sketches.									
Interpret Measuring unit and device. Read and interpret various types of scales used. Interpret simple sketches.								_	
used. Interpret simple sketches.				<u> </u>					
Convert Dimensions from Imperial to Metric Units.									
Explain the methods of setting out with examples									
2 State various simple setting out tools									
Identify and indicate site boundaries									
2 Set right angled corners									
B Establish building line and set back									
Check building lines for squareness and Compliance									
5 Mark lines on profiles									
				1					
		D	ate:						
	examples 2 State various simple setting out tools Identify and indicate site boundaries Identify and indicate site boundaries 2 Set right angled corners 3 Establish building line and set back Check building lines for squareness and Compliance	Explain the methods of setting out with examples State various simple setting out tools Identify and indicate site boundaries Identify and indicate site boundaries Set right angled corners Establish building line and set back Check building lines for squareness and Compliance	Explain the methods of setting out with examples Image: State various simple setting out tools Identify and indicate site boundaries Image: Set right angled corners Set right angled corners Image: Set stablish building line and set back Image: Check building lines for squareness and Compliance Image: Set stables Image: Mark lines on profiles Image: Set stables	Explain the methods of setting out with	Explain the methods of setting out with Image: Constraint of the setting out 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method out tools

EQA Signature (if sampled)Date:

Unit <mark>5</mark> - 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: 05 Unit Title: Erection of masonry works: using appropriate tools and equipment Level: II Credit Unit –6 Credit hours –60

LO (Learning outcome)		Criteria:-		Evidence Type		R Pa		Evidence Ref Page number		
LO 1	1.1	Identify and use the tools and								
Tools, materials		equipment for masonry works								
and equipment	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 2.2 floors	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 stone structures		to attain at certain level								
	3.3	State purpose and condition								
		under which stone work is								
		Employed								

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	4.1	Identify different types and					
Multi thickness		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 and method of construction	5.1	Identify different types of staircase and steps					
	5.2	Describe the various part of a stair case <mark>e.g threads, riser,</mark> Landing.					
	5.3	Describe method of fixing handrails.					
	5.4	Explain method of fixing and placement of reinforcement.					
LO 6 Curing in masonry structures							
	6.1	State the purpose of curing in masonry structures					
	6.2	Identify the materials required in curing masonry structures					
	6.3	Perform various types of curing techniques at required intervals					

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

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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

- 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 outc	ome)	Criteria:-	Evidence Type			Ro Pa	vide ef age umb	
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	2.1	Explain the mix ratio of the materials for the Task						
materials for rendering and Finishes	2.2	Demonstrate mixing techniques						
	2.3	Explain timing of mix batches for the various task						
LO3								
Surfaces	3.1	Clear surfaces of all dirt and debris.						
Preparation and application of	3.2	Wet surface to be rendered						
rendering materials to	3.3	Place plaster/ floor thickness/level/gauge 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 Curing of	4.1	Describe the purpose of curing in rendering works and floors						

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.

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

LO (Learning outco		Criteria:-	Evidence Type			R P	vide ef age umb	nce er	
LO1	1.1	Carry out periodic investigation of							
Faulty or damage on masonry works	1.2 1.3	the Structure Determine previous repair / rectification works on the structure Identify minor causes of faults and damages.							
LO2 Materials, tools,	2.1	Identify <mark>various</mark> types of materials tools and equipment							
and equipment for work	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	4.1	Identify the materials required							
the structures	4.2	Select and prepare the material required							
	4.3	Repair/replace damaged portion							

LO (Learning outcome)		Criteria:-	Ev Ty	iden be	ce		R Pa	vide ef age umb	nce er	
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										
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
400	<u>600</u>	+ (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.

		QUALI	FICATI	ON SUMMARY		
	CREDI					PAGE
	Т		GLH			
UNIT	VALUE	REF NO		UNIT `	REMARKS	NO
	4			Health, Safety and	Mandatory	
01	-	CONMS001L3	40	Environment		
			30	Communication		
	3			system in a		
02		CONMS002L3		work environment	Mandatory	
			10	Team Work in		
0.0	1			Construction		
03		CONMS003L3		Environment	Mandatory	
04	6	CONMS004L3	60	Special structures	Mandatory	
				Masonry Work in		
			00	high-rise		
	9		90	complex structures		
				elements		
05				and techniques in	Mandatam	
05		CONMS005L3		construction	Mandatory	
				Plastering on Internal/External		
				surfaces of		
	9		00			
			90	masonry structures and POP		
06		CONMS006L3		works	Mandatory	
					Mandatory	
				Plan, organise and estimate		
	4		40	works to meet		
	4		40			
07		CONMS007L3		required standard	Mandatory	
				Water proofing	i viandator y	
	3		30	work on		
08		CONMS008L3		masonry structures	Mandatory	
				Decorative		
<mark>09</mark>	<mark>6</mark>	CONMS009L3	<mark>60</mark>	Moulding	Optional	
				Installation		
10	<mark>6</mark>	CONMS010L3	<mark>60</mark>	Terrazo Flooring	Optional	

Total Credit hours required: 400

1

NSQ Level: 3

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 <u>carry out</u> 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: 01 Unit Title: Health, Safety and Environment Level: III Credit Unit –4 Credit hours –40

LO (Learning outco	ome)	Criteria:-	Evidence Type		_	Re Pa	/ide ef age imbo		
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 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					
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3	5.5	Indicate where to find the first-aid
		equipment and locate the
		authorized personnel
3	8.5	Lift and handle materials in line
		with work environment procedure.
3	8.6	State other ways of working safely
		that are relevant to own position
		Responsibility and its importance.
3	3.7	Describe organizational
		emergencies procedures, in
		particular fire, and how these
		should be followed
3	8.8	State the possible causes for fire
		in the workplace
3	8.9	Describe how to minimize the
		possibility of fire in the workplace
3	3.10	State where to find the alarms and
		how to set them off
3	3.11	State why a fire should never be
		approached unless it is safe too
3	3.12	State the importance of following
		the fire safety laws
3	5.13	Describe organizational security
		procedures and why these are
		Important
1		State the importance of reporting
		all usual or non- routine incidents
		to the appropriate personnel

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

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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

- 1. Direct Observation (DO)
- 2. Question And Answers (QA)
- 3. Witness Testimony (WT)
- Recognition of Prior Learning (RPL)
 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	Evic	dence	э Тур	e	Re	idenc f Pag mber	
LO1:	1.1	Supervise the use of audio,							
Complex		electronic, electro-magnetic means to							
communicatio									
n	10	pass on necessary information					-		\square
system in a Work	1.2	Describe simple non-verbal means of communication							
environment		or communication							
	1.3	Read and interpret concept of							+
	_	symbols and signs appropriate							
1.02	0 1	Participate in <u>creating and</u>							
LO2:	Z.1	making functional the source of information							
Source of		in							
information in		an organization and work							
a work environment	2.2	Environment. Make accessible the source of							+
chvironment	2.2	information in an organization							
		or							
		work environment Relate appropriately with the							+
	2.3	source							
		of information							
	24	Use the various information flow							
	۷.4	system in an organization or							
		work							
		environment to overcome							
	2.5	challenges Ensure proper documentation							
		retrieval of information in							
		accordance							
		to procedure in a work environment							
LO3:	3.1	Ensure the accessibility of the							
		communication equipment in							
Communicatio		the							
Communicatio		work environment							
means in a		Describe the effective use of					-		+
work	3.2	the							
		various communication channels in							
environment		a work environment							
	3.3	Demonstrate the use of							

	3.4	various communication means in a work Environment Ensure effective information flow to the right personnel				
		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	4.1	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 store d appropriately in a work environment				

Learner's Signature:	Date:
Assessor'sSignature:	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: 03 Unit Title: Team Work in Construction Environment Level: 3 Credit Unit –1 Credit hours –10

LO (Learning outco	me)	Criteria:-	Ev Ty	iden pe	се		R	vide ef age umb	nce er	
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	3.1	Select materials and tools required for each team.								
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.								
LO4 Benefit of various teams.	4.1	Recognize the sequence of various team activities								
teams.	4.2	Differentiate between various time frame of each team activity								
1.05	4.3	Deliver quality output as a team								
LO5	F 4					 -				
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:

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

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

LO (Learning outco	ome)	Criteria:-	Ev Tyj	iden be	се		R Pa	vide ef age umb	nce er	
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								
Special structural drawings	<mark>2.</mark> 1	Interpret drawings for special structures								
•	<mark>2.2</mark>	Carry outwork in accordance with specification								
1.00					<u> </u>					
LO3 Special works in masonry	3. 1	Work on elevated platform								
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:

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)
- Recognition of Prior Learning (RPL)
 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 outcor	ne)	Criteria:-	Ev Typ	iden be	ce		Re Pa	vider ef age umbe	
LO1 Preparatory work	1.1	Read and interpret working drawings, before commencement of works							
to commence masonry 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		Certify quality of bricks /block/stone before Usage							
bricks/blocks/stone works and POP	2.2	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							
	3.4	Maintain the courses of brick/block stone work and floors at the required level							

3.5	Cure constructed masonry works					

LO (Learning outco	me)	Criteria:-	Evide Type	 e		Evic Ref Pag num	Ð
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					
	4.3	Use straight edge section to ensure line and level of each course of brick/block/stone work					
	4.4	Set out 90 ^o 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 such as walls, Arches,	5.2	Identify and select tools and equipment for complex jobs					
staircases, Manholes and Walkways.	5.3	Identify and apply specialized 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: 06

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

Level: 3 Credit Unit –9 Credit hours –90

LO (Learning outco	ome)	Criteria:-	Evi Typ	den be	ce		Re Pa		
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							
Inspection of		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										
	3.3	Ensure adherence to right mort mix ratio required.	ar									
	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										
	1											
LO (Learning outco	me)	Criteria:-	Evidence Type				Evidence Ref Page number					
LO 4	4.1	Identify tools and equipment for										
Production and		the work										
installation of POP Works	4.2	Identify and select materials for										
WORKS		construction of POP boards and										
		design element										
	4.3	Installation of POP boards and						-+				
		Design element.										
LO 5	5.1	Check for vertical levels and						_				
Line, level and	-											
alignment of		horizontal alignment using Appropriate tools and equipment.										
masonry works	F 0											
	5.2	Check for slopes, rise and fall of Floors.										
	5.3	Check for angles and curves if										
		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: 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	1.1	Achieve targets and timeline set by superiors										
work activities	1.2	Plan work activities with regards to										
	1.3	Schedule and sequence 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)		Criteria:-	Evidence Type							
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: 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	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 <mark>and water proofing additive</mark> 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.										
		Install water bar according to specification e.g. basement tanking,										
	<mark>3,4</mark>	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

- 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 (Learnir Outcome)	lg	Criteria	Evidence Type	Evidence Ref Page number
LO 1:	<mark>1.1</mark>	Read and interpret simple sketches and		
Identify and select	10	drawings		
appropriate	1.2 1.3	Identify and select tools required		
tools.		Inspect and ensure moulding forms are cleaned and free from dirt and cracks		
	<mark>1.4</mark>	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	<mark>2.2</mark>	Identify and select materials to be used		
appropriate materials.	<mark>2.3</mark>	Use adequate mix ratio		
	2.4	Follow mix duration/time sequence.		
LO 3:	<mark>3.1</mark>	Carry out proper alignment of the surface to		
Carry out		receive moulding.		
decorative	<mark>3.2</mark>	Use appropriate tools to check horizontal		
moulding to the required	0.0	alignment.		
standard of	<mark>3.3</mark>	Use straight edge to ensure line/level the surface to receive moulding.		
quality	3.4	Prepare surface to receive mouldings		
	<mark>3.5</mark>	Install decorative moulding using		
	3.6	appropriate tools and equipment Fill joints with appropriate mortar and		
	<mark>5.0</mark>	temporary support		
	<mark>3.7</mark>	Ensure moulding installation is dry enough before removal of temporary support		
Lea	rner's	Signature:	· · · · ·	Date:
		Signatura:		Dete
Ass	essor's	Signature:		Date:
IQA	Signa	ture(if sampled)		Date:
EQ	A Sig	gnature(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: 10 Unit Title: Terazzo Flooring Level: 3 Credit Unit: 6

LO (Learning Outcome)		Criteria Evidence Type			Evidence Ref Page number						
LO 1: Identification	<mark>1.1</mark>	Read and interpret simple sketches									
of tools and	<mark>1.2</mark>	and drawings specification.									
terrazzo	1.2	Identify and select tools and equipment.									
materials.	1.3	Ensure the surface of work is wet,									
		leveled and free from dirt/grease									
	<mark>1.4</mark>	Identify and select materials required									
		for stages of work.									
LO 2	<mark>2.1</mark>	Prepare adequate mix based on mix									
Prepare mixes and	<mark>2.2</mark>	ratio for every stage Ensure mix duration/time sequence									
lay terrazzo	<mark>∠.∠</mark>	is followed									
based on											
specification	0.4										
Construction.	<mark>3.1</mark>	Prepare and lay ordinary cement/sand mortar to level									
placement	<mark>3.2</mark>	Install paneling material e.g. ebonite									
and curing	<mark></mark>	strip to the required design shapes									
of terrazzo	<mark>3.3</mark>	Prepare and place pigment									
screed	0.0	cement/marble/additive mix of									
		required thickness									
	<mark>3.4</mark>	Ensure surface is leveled, well									
		compacted manually/mechanically.									
	<mark>3.5</mark>	Protect work from damage.									
	<mark>3.6</mark>	Ensure proper house keeping									
	<mark>3.7</mark>	Cure surface appropriately.									
LO 4: Finishing of	<mark>4.1</mark>	Observe all safety precautions									
terrazzo		before using machine									
flooring	<mark>4.2</mark>	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: