

BUILDING SITE PRELIMINARY WORKS I

UNIT CODE: 0732 351 04A

TVET CDACC UNIT CODE: CON/ CU/ BLD/CR /04 /4 / MA

UNIT DURATION: 120 Hours

Relationship to Occupational Standards

This unit addresses the Unit of Learning: perform building site preliminary works

Unit Description

This unit describes the competence required to perform building site preliminary works.

It involves carrying out site clearance, carrying out site hoarding and building construction site amenities.

Summary of Learning Outcomes:

By the end of this unit, the trainee should be able to,

	Learning Outcomes	Durations
1.	Carry out site clearance	30
2.	Carry out site hoarding	40
3.	Build construction site amenities	50

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Carry out site clearance	1.1 PPEs 1.1.1 Types 1.1.2 Uses 1.2 Site clearance tools and	• Practical • Projects • Third Party Reports • Written tests

	equipment 1.2.1 Slasher 1.2.2 Mattock 1.2.3 Rake 1.2.4 Sledge hammer 1.2.5 Fork Jembe 1.2.6 Machete 1.2.7 Uses 1.3 Site clearance 1.3.1 Demarcation 1.3.2 Demolition 1.3.3 Grabbing of shrubs 1.3.4 Diversion of water channels and services 1.3.5 Site stripping 1.3.6 Trim hedges 1.4 Methods of site clearance 1.4.1 Mechanical methods 1.4.2 Manual methods Explosives /Detonators 1.5 Demolition 1.6 Methods of debris disposal 1.6.1 Incineration 1.6.2 Composting 1.6.3 Recycling	
2. Carry out site hoarding	2.1 PPEs 2.1.1 Types 2.1.2 Uses 2.2 Hoarding tools	• Practical • Projects • Third Party Reports • Written tests

	2.2.1 Types 2.2.2 Uses 2.3 Hoarding materials 2.3.1 GI sheets 2.3.2 Assorted Timber 2.4 Demarcation and Erection of hoarding 2.5 Hoarding erected as per work requirements 2.6 Dismantling of hoarding 2.7 Storage of hoarding materials	
3. Build construction site amenities	3.1 PPEs 3.1.1 Types 3.1.2 Uses 3.2 Tools and equipment 3.2.1 Types 3.2.2 Uses 3.3 Site amenities materials assembling 3.3.1 Types 3.3.2 Construction 3.4 Site amenities are constructed as per the site plan 3.5 Demolition of Site amenities 3.6 Storage of site amenity materials	• Projects • Written tests • Practical tests • Oral tests

Suggested Methods of Instruction

- Practical

- Project
- Demonstrations
- Group Discussions
- Direct instructions

Recommended Resources for 25 Trainees

S/No.	Category/Item	Description/ Specifications	Quantity	Recommended Ratio (Item: Trainee)
A	Learning Materials			
1.	Reference materials i.e. textbooks	For trainee's use	14 pcs	1:2
2.	Rolls Flip Charts	For both trainer's and trainee' use	5 pcs	1:5
B	Learning Facilities & infrastructure			
1.	Whiteboards	For trainer's use	1 pc	1:25
2.	Workshop/ construction site	10m by 10m	1	4:1
3.	Lecture room	9m by 8m	1	
4.	Desktop computers/laptops	For both trainer's and trainee' use	25 pcs	1:1
C	Consumable materials			
1.	Assorted colour of whiteboard	For trainer's use	10 pcs	10:1

	markers			
2.	Assorted timber	For trainee's use	Sufficient	
3.	Assorted nails	For trainee's use	Sufficient	
4.	Pegs	For trainee's use	Sufficient	
5.	Hoarding materials	For trainee's use	Sufficient	
6.	Chalk lime	For trainee's use	Sufficient	
D	Tools and Equipment			
1.	Spirit Level	For trainee's use	5 pcs	1:5
2.	Builders Line	For trainee's use	5 pcs	1:5
3.	Mason Square	For trainee's use	5 pcs	1:5
4.	Mason Hammer	For trainee's use	5 pcs	1:5
5.	Claw Hammer	For trainee's use	5 pcs	1:5
6.	Shovel	For trainee's use	5 pcs	1:5
7.	Bucket	For trainee's use	5 pcs	1:5
8.	Wheelbarrow	For trainee's use	5 pcs	1:5
9.	Claw bar	For trainee's use	5 pcs	1:5
10.	Panga	For trainee's use	5 pcs	1:5
11.	Handsaw	For trainee's use	5 pcs	1:5