



THE REPUBLIC OF KENYA

COMPETENCY BASED CURRICULUM

FOR

BUILDING TECHNOLOGY

KNQF LEVEL 6

ISCED PROGRAM CODE: 0732 554B



TVET CDACC

P.O BOX 15745-00100

NAIROBI

CONSTRUCTION MATERIALS, PLANT, TOOLS AND EQUIPMENT

UNIT CODE:CON/CU/BUT/CR/04/6/B

Relationship to Occupational Standards

This unit addresses the unit of competency: Manage construction materials, tools and equipment

Duration of Unit: 100 hours

Unit Description

This unit describes the competences in Managing Construction Materials, Tools and Equipment. It involves preparing site facility for storage, building material and equipment scheduling, ordering and receiving materials and equipment and preparing periodic construction material and equipment report

Summary of Learning Outcomes

1. Prepare site facility for storage
2. Prepare building material schedule
3. Prepare building equipment schedule
4. Procure building materials and equipment
5. Issue building materials and equipment

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Prepare site facility for storage	<ul style="list-style-type: none">• Building materials, tools and equipment• clearing• Levelling• Erection of the facility	<ul style="list-style-type: none">• Written Tests• Oral Questioning• Practical tests/Project
2. Prepare building material schedule	<ul style="list-style-type: none">• Types of building materials• Standard material schedule• Standard material rates	<ul style="list-style-type: none">• Written Tests• Oral Questioning• Practical tests/Project
3. Prepare building equipment schedule	<ul style="list-style-type: none">• Types of equipment• Standard equipment schedule	<ul style="list-style-type: none">• Written Tests• Oral Questioning• Practical tests/Project

4. Procure building materials and equipment	<ul style="list-style-type: none"> • Verification of documents • Catalogues • Price lists • Ordering • Verification of materials • Receiving • Recording 	<ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical tests/Project
5. Issue building materials and equipment	<ul style="list-style-type: none"> • Issuing of materials • Recording of issued materials 	<ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical tests/Project
6. Test building materials	<ul style="list-style-type: none"> • Construction materials • Testing methods • Concrete technology 	<ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical tests/Project

Suggested Methods of Instruction:

- Demonstration by trainer
- Practical work by trainee
- Demonstration videos
- Projects
- Group discussions

Recommended Resources

Tools and equipment

- Computer
- Lorries
- Lifts

Materials and supplies

- Stationery
- Files

Personal protective equipment (PPEs)

- Gum boots
- Gloves
- Dust coats
- First aid kit

- Life jacket
- Ear muffs
- Dust mask