



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

SITE PRELIMINARY WORKS

UNIT CODE:CON/CU/BUT/CR/02/6/B

Relationship to Occupational Standards

This unit addresses the unit of competency: Execute Site Preliminary Works

Duration of Unit: 80 hours

Unit Description

This Unit describes the competencies required to perform site preliminary works. It involves determining site boundaries, clearing building site, hoarding/screening the site, surveying the building site, preparing site layout, testing building materials, demolishing unwanted structures and preparing site preliminary report.

Summary of Learning Outcomes

1. Determine site boundary and clear building site
2. Hoard/screen the building site
3. Survey building site
4. Prepare site layout
5. Demolish unwanted structures
6. Prepare site preliminary report

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Determine site boundary and clear building site	<ul style="list-style-type: none">• Site investigation/ Land surveying• Building Drawings and interpretation• Surveying tools and equipment• Building codes• Building site conditions• Plant and equipment• Building safety regulations	<ul style="list-style-type: none">• Practical assignment/project• Oral Questioning• Written Tests
2. Hoard/screen the building site	<ul style="list-style-type: none">• Hoarding/screening materials• Site hoarding/fencing• Hoarding tools	<ul style="list-style-type: none">• Practical assignment/project• Oral Questioning• Written Tests
	<ul style="list-style-type: none">• Surveying tools and equipment• Survey maps	<ul style="list-style-type: none">• Practical assignment/project

3. Survey building site	<ul style="list-style-type: none"> • Surveying methods • Soil sampling • Building site services 	<ul style="list-style-type: none"> • Oral Questioning • Written Tests
4. Prepare site layout	<ul style="list-style-type: none"> • Site facilities, infrastructure and traffic • Building codes • Levelling • Site layout • Construction site zones • Site installation 	<ul style="list-style-type: none"> • Written Tests • Oral Questioning • Projects/practical assignment
5. Demolish unwanted structures	<ul style="list-style-type: none"> • Methods of demolishing • Safety consideration during demolition • Masonry • Concrete 	<ul style="list-style-type: none"> • Oral Questioning • Projects/practical assignments • Written Tests

Suggested Methods of Instruction:

- Demonstration by trainer
- Practical work by trainee
- Demonstration videos
- Project / research
- Group discussions

Recommended Resources

Tools and equipment

- measuring and drawing tools
- clearing plants and equipment
- computers/internet
- Masonry/building tools and equipment
- surveying tools and equipment /instrument
- Soil testing instruments/equipment

Materials and supplies

- Site survey maps
- Hoarding materials
- Demolition material
- Building Codes / regulations
- Sand
- Ballast
- Cement
- Damp proofing materials
- Anti-termite
- Reinforcement/reinforcing bar
- Dewatering equipment

Personal protective equipment (PPEs)

- dust coat
- First aid kits
- Overalls
- Gum boots
- Safety goggles
- Helmets
- Gloves