



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

SUPERVISING CONSTRUCTION PROJECTS

UNIT CODE:CON/CU/BUT/CR/11/6/B

Relationship to Occupational Standards

This unit addresses the unit of competency: Supervise construction project

Duration of Unit: 100 hours

Unit Description

This Unit describes the competences required to manage a construction project. It involves organising construction site; interpreting building contract documents; preparing; project work plan, accounts; manage human resource, keeping site records & activities as well as participating in quality standards and costing construction projects.

Summary of Learning Outcomes

1. Organise construction site
2. Interpret building contract documents
3. Prepare construction work plan
4. Prepare accounts
5. Manage project human resource
6. Keep site records
7. Monitor site activities
8. Participate in quality standards
9. Cost construction cost

Learning Outcomes, Content and Suggested Assessment Methods

| Learning Outcome | Content | Suggested Assessment Methods |
|---|--|---|
| 1. Organise construction site | <ul style="list-style-type: none">• Drawing construction site map• Construction site zones• Site infrastructure• Positioning of site equipment• Site installations• Confirmation of site arrangements | <ul style="list-style-type: none">• Written Tests• Oral Questioning• Practical/Projects |
| 2. Interpret building contract document | <ul style="list-style-type: none">• Types of building contracts• Interpretation of contracts• Recording of contract information | <ul style="list-style-type: none">• Written Tests• Oral Questioning• Practical/Projects |

| | | |
|-------------------------------------|--|---|
| 3. Prepare construction work plan | <ul style="list-style-type: none"> • Project scope • Allocation • Project schedule | <ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical/Projects |
| 4. Prepare accounts | <ul style="list-style-type: none"> • Trial balance • Profit and loss account • Balance sheet | <ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical/Projects |
| 5. Manage project human resource | <ul style="list-style-type: none"> • Project roles and responsibilities • Documentation of staff management plan. • Developing project team • Monitoring • Evaluation • Analysis | <ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical/Projects |
| 6. keep site records | <ul style="list-style-type: none"> • Types of records • Data entry methods • Record management systems • Record storage methods • ISO Certification | <ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical/Projects |
| 7. Monitor site activities | <ul style="list-style-type: none"> • Building code • Project reports | <ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical/Projects |
| 8. Participate in quality standards | <ul style="list-style-type: none"> • Quality control standards | <ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical/Projects |
| 9. Cost construction project | <ul style="list-style-type: none"> • Project scope • Project items • Rating items • Final bills of quantities | <ul style="list-style-type: none"> • Written Tests • Oral Questioning • Practical/Projects |

Suggested Methods of Instruction:

- Demonstration by trainer
- Practical work by trainee

- Demonstration videos
- Projects
- Group discussions

Recommended Resources

Tools and equipment

- Computers
- Calculators

Materials and supplies

- Stationery
- Files
- Journals
- Manuals
- Resource persons
- Chats

Personal protective equipment (PPEs)

- Safety goggles
- Dust coat
- First aid kits