

CONSTRUCTION OF ONSITE SANITATION FACILITIES

UNIT CODE: CON/CU/CET/CR/12/6/A

Relationship to Occupational Standards

This unit addresses the unit of competency: Construct Onsite Sanitation Facilities

Duration of Unit: 80 hours

Unit Description

This unit covers the competencies required to construct onsite sanitation facilities. It involves Preparing construction schedule, organizing the construction site and construction of the various onsite sanitation facilities

Summary of Learning Outcomes

1. Prepare construction schedule
2. Organize the construction Site
3. Construct the various onsite sanitation facilities

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Prepare construction schedule	<ul style="list-style-type: none">• Design of onsite sanitation facilities• Interpretation of Engineering Drawings• Construction activities• Project planning and management	<ul style="list-style-type: none">• Written Test• Interview• Oral Question• Assignments• Supervised Exercises• Practical Tests
2. Organize the construction Site	<ul style="list-style-type: none">• Site clearance• Site layout• Resource mobilization• Contract documents• Legal requirements•	<ul style="list-style-type: none">• Written Test• Interview• Oral Question• Assignments• Supervised Exercises

		<ul style="list-style-type: none"> • Practical Tests
3. Construct the various onsite sanitation facilities	<ul style="list-style-type: none"> • Interpretation of bill of quantities • Constructional details of onsite sanitation facilities • Construction plant and equipment • Construct: • Septic Tanks • Bio-Digesters • Anaerobic Baffled Reactors • Latrines- pit, VIP, Aqua privy • Soak Pits • Imhoff tank • Progress Report • As-built drawings • Payment certificate • Substantial completion certificate • Completion certificate 	<ul style="list-style-type: none"> • Written Test • Interview • Oral Question • Assignments • Supervised Exercises • Practical Tests

Suggested Methods of Instruction

- Group discussions
- Demonstration by trainer
- Online videos
- Power point presentation
- Exercises by trainee

Recommended Resources

- Scientific Calculators
- Relevant reference materials
- Stationeries
- GPS
- Design Software
- Computer lab
- Relevant practical materials
- Laboratories (chemical, biological & soils)
- Internet

- Concrete laboratory
- Soil laboratory
- Surveying equipment
- Construction plant
- Timber workshop
- Plumbing and pipe fitting workshop
- Electromechanical workshop

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