ISCED UNIT CODE: 0811 351 01 A

TVETCDACC UNIT CODE: AGR/CU/PP/CR/01/3/MA

Relationship to Occupational Standards

This unit addresses the unit of competency: Construct Pig Unit

Duration of Unit: 60 hours

Unit Description

This unit covers the competencies required to perform pig unit construction. It involves identifying and marking pig unit construction sites, gathering materials for pig unit construction, and performing pig unit construction activities. It also entails identifying areas of the pig unit requiring repair and maintenance from time to time.

Summary of Learning Outcomes

By the end of this unit, the learner should be able to:

S/No	Learning Outcomes	Duration (Hours)
1.	Identify and Mark Pig Unit Construction Site,	10
2.	Gather Pig Unit Construction Materials	15
3.	Perform Pig Unit Construction Activities.	20
4.	Identify Areas of the Pig Unit Requiring Repair and Maintenance	15
	Total	**60**

Learning Outcomes, Content, and Suggested Assessment Methods

Learning Outcome	Content	Methods of assessment

1. Identify and mark pig unit construction site	1.1. Meaning of pig unit
	    1.1.1. Basic pig unit designs
	    1.1.2. Site identification and marking of a pig unit
	1.2. Tools and equipment used in site preparation
	1.3. Personal protective equipment.
	    1.3.1. Gloves
	    1.3.2. Gumboots
	    1.3.3. Protective glasses
	    1.3.4. Face mask
	    1.3.5. Overall
	    1.3.6. Helmet
	1.4. Factors to consider when selecting a pig unit design
	1.5. Types of pig unit design
	1.6. Innovations in pig unit construction
		• Written Assessment
		• Practical Assessment
		• Third party report
		• Oral Assessment

2. Gather pig unit construction materials	2.1. Location of pig unit construction materials. 2.2. Types of resources required for pig unit construction 2.3. Documentation of delivered construction materials on site 2.4. Storage of construction materials	• Written Assessment • Practical Assessment • Third party report • Oral Assessment •
3. Perform pig unit construction activities	3.1. Monitoring and evaluation of pig unit construction project 3.2. Procedures of construction materials issuance	• Written Assessment • Practical Assessment

Learning Outcome	Content	Methods of assessment
	3.3. Documentation of construction materials issuance 3.4. Monitoring of issued construction materials 3.5. Preparation of completion report	• Third party report • Oral Assessment

4. Identify areas of pig unit requiring repair and maintenance	4.1. Resources for pig unit maintenance
	
	4.2. Labour supervision during pig unit construction.
	
	4.3. Characteristics of functional components of a pig unit
	
	    4.3.1. Floor
	
	    4.3.2. Drainage
	
	    4.3.3. Heating and lighting systems
	
	    4.3.4. Roofing
	
	    4.3.5. Walls
	
	    4.3.6. Feed and water facilities
	
	4.4. Pig unit maintenance requirements and resources
	
	4.5. Pig unit repair and maintenance regulations
	
	4.6. Performing repair and maintenance activities
		• Written Assessment
		
		• Practical Assessment
		
		• Third party report
		
		• Oral Assessment

Suggested Methods of Instructions

- Projects
- Demonstration by trainer
- Practice by the trainee
- Discussions

- Direct instruction
- Field Visit
- Videos

Recommended Resources for 25 trainees

Machinery	Tools and equipment	Materials and supplies
- 2 Tractors - 2 Trailer	- 10 Slashers - 5 Wheelbarrow - 10 Spade - 10 rakes - 2 Crowbar - Assorted Hammer - 2 projectors - 5 hacksaws - 5 Metal bars Poles - Stones - 10 Hoe - 25 sets technical drawing sets	- 25 Tape measures - I roll Barbed/chain link - I roll of fencing materials - 2 wheelbarrows of Sand - 5 bags Cement - 1 wheelbarrow Ballast - Assorted pig sty drawings - Assorted Nails - I roll of sisal twine