

## **PIG UNIT CONSTRUCTION**

**ISCED UNIT CODE:** 0811 251 01A

**TVET CDACC 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 for pig Unit construction	15
3.	Perform pig Unit construction activities.	20
4.	Identify areas of the pig Unit requiring repair and maintenance	15
<b>Total</b>		<b>60</b>

## Learning Outcomes, Content, and Suggested Assessment Methods

<b>Learning Outcome</b>	<b>Content</b>	<b>Methods of assessment</b>
1. Identify and mark pig unit construction site	<p>1.1.Meaning of pig unit</p> <ul style="list-style-type: none"> <li>1.1.1.Basic pig unit designs</li> <li>1.1.2.Site identification and marking of a pig unit</li> </ul> <p>1.2.Tools and equipment used in site preparation</p> <p>1.3.Personal protective equipment.</p> <ul style="list-style-type: none"> <li>1.3.1. Gloves</li> <li>1.3.2. Gumboots</li> <li>1.3.3. Protective glasses</li> <li>1.3.4. Face mask</li> <li>1.3.5. Overall</li> <li>1.3.6. Helmet</li> </ul> <p>1.4.Factors to consider when selecting a pig unit design</p> <p>1.5.Types of pig unit design</p> <p>1.6.Innovations in pig unit construction</p>	<ul style="list-style-type: none"> <li>• Written Assessment</li> <li>• Practical Assessment</li> <li>• Third party report</li> <li>• Oral Assessment</li> </ul>
2. Gather pig unit construction materials	<p>2.1.Location of pig unit construction materials.</p> <p>2.2.Types of resources required for pig unit construction</p> <p>2.3.Documentation of delivered construction materials on site</p> <p>2.4.Storage of construction materials</p>	<ul style="list-style-type: none"> <li>• Written Assessment</li> <li>• Practical Assessment</li> <li>• Third party report</li> <li>• Oral Assessment</li> <li>• </li> </ul>
3. Participate in pig Unit construction activities	<p>3.1.Monitoring and evaluation of pig unit construction project</p> <p>3.2.Procedures of construction materials issuance</p> <p>3.3.Documentation of construction materials issuance</p> <p>3.4.Monitoring of issued construction materials</p> <p>3.5.Preparation of completion report</p>	<ul style="list-style-type: none"> <li>• Written Assessment</li> <li>• Practical Assessment</li> <li>• Third party report</li> <li>• Oral Assessment</li> </ul>
4. Identify areas of pig unit requiring repair and maintenance	<p>4.1. Resources for pig unit maintenance</p> <p>4.2.Labour supervision during pig unit construction.</p>	<ul style="list-style-type: none"> <li>• Written Assessment</li> <li>• Practical</li> </ul>

Learning Outcome	Content	Methods of assessment
	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	Assessment <ul style="list-style-type: none"> <li>• Third party report</li> <li>• Oral Assessment</li> </ul>

### Suggested Methods of Instructions

- Projects
- Demonstration by trainer
- Practice by the trainee
- Discussions
- Direct instruction
- Field Visit
- Videos

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### Recommended Resources for 25 trainees

Machinery	Tools and equipment	Materials and supplies
<ul style="list-style-type: none"> <li>• 2 Tractors</li> <li>• 2 Trailer</li> </ul>	<ul style="list-style-type: none"> <li>• 10 Slashers</li> <li>• 5 Wheelbarrow</li> <li>• 10 Spade</li> <li>• 10 rakes</li> <li>• 2 Crowbar</li> <li>• Assorted Hammer</li> <li>• 2 projectors</li> <li>• 5 hacksaws</li> <li>• 5 Metal bars Poles</li> <li>• Stones</li> <li>• 10 Hoe</li> </ul>	<ul style="list-style-type: none"> <li>• 25 Tape measures</li> <li>• 1 roll Barbed/chain link</li> <li>• 1 roll of fencing materials</li> <li>• 2 wheelbarrows of Sand</li> <li>• 5 bags Cement</li> <li>• 1 wheelbarrow Ballast</li> <li>• Assorted pig sty</li> </ul>

	<ul style="list-style-type: none"><li>• 25 sets technical drawing sets</li></ul>	<ul style="list-style-type: none"><li>drawings</li><li>• Assorted Nails</li><li>• 1 roll of sisal twine</li></ul>
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