

CONSTRUCT PIG UNIT

ISCED UNIT CODE: 0811 251 01 A

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

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.

This standard applies in the pig production industry.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes that make up workplace function.	These are assessable statements that specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range.</i>
1. Identify and mark pig unit construction site	1. 1 Site for pig unit construction is identified and marked based on pig unit design, constructors' instructions, and <i>physical environment</i> 1. 2 <i>Clearing tools and equipment</i> are identified and selected based on the nature of the site. 1. 3. <i>Personal protective equipment</i> is worn based on the job requirement. 1. 4. The construction site is cleared based on the nature of the site.
2. Gather pig unit construction materials	2.1 Materials required for pig unit construction are located based on workplace instructions. 2.2 Materials required for pig unit construction are collected based on <i>pig unit design, objective of the farmer</i> and source of funding of the project. 2.3 Construction materials' inventory is developed based on workplace instructions. 2.4 Construction materials are stored based on type and nature of the materials.

3. Perform pig unit construction activities	<p>3.1. Construction materials are issued based on pig unit construction activities and workplace instructions.</p> <p>3.2. Record of materials issued is prepared based on items issued.</p> <p>3.3. Utilization of pig unit construction materials is monitored as per workplace policy.</p> <p>3.4. Pig unit is prepared for occupation based on recommendations of the completion report and workplace instructions.</p>
4. Identify areas of pig unit requiring repair and maintenance	<p>4.1. Resources for pig unit maintenance are identified and gathered based on the nature and extent of damage.</p> <p>4.2. Labour for pig unit repair and maintenance is supervised as per workplace.</p> <p>4.3. Areas of pig unit upgrading are identified and reported based on shorting comings of the original design and current market trends.</p> <p>4.4. Pig unit repair and maintenance is carried out based on nature of damage.</p> <p>4.5. Repair and maintenance record is prepared based on workplace policy.</p>

RANGE OF VARIABLES

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

VARIABLE	RANGE
1. Physical environment May include but not limited to:	<ul style="list-style-type: none"> • Topography • Accessibility • Water availability • Climate
2. Clearing tools and equipment May include but not limited to:	<ul style="list-style-type: none"> • Pangas • Slashers • Jembe • Hoes • Axe • Mower • Spade • Wheelbarrow • Rake

VARIABLE	RANGE
3. Personal protective equipment May include but not limited to:	<ul style="list-style-type: none"> • Safety boots • Overall • Dust coat • Hard hat • Reflector jacket • Protective glass • Gloves • Nose mask
4. Pig unit design May include but not limited to:	<ul style="list-style-type: none"> • Deep litter • Concrete • Slatted floor • Open paddocks
5. Objective of the farmer May include but not limited to:	<ul style="list-style-type: none"> • Profit making • Non-profit making
6. Resources required for pig unit maintenance May include but not limited to:	<ul style="list-style-type: none"> • Labor • Raw materials
7. Areas of pig unit upgrading May include but not limited to:	<ul style="list-style-type: none"> • Watering systems • Heating systems • Feeding systems

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit of competency.

Required Skills

The individual needs to demonstrate the following skills:

- Communication
- Analytical
- Basic management skills
- Problem solving
- Decision making
- Critical thinking
- Site selection
- Site preparation

Required knowledge

The individual needs to demonstrate knowledge of:

- Considerations in siting a pig unit
- Setting out
- Foundation laying
- Tools, equipment, materials and supplies for pig unit construction
- Types and designs of pig housing
- Types of pig production systems
- Pig housing care, repair and maintenance
- Safety precautions
- Monitoring work progress
- Record keeping

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical aspects of Competency	<p>Assessment requires evidence that the candidate:</p> <p>1. 1Marked pig unit construction site appropriately. 1. 2Cleared pig unit construction site appropriately. 1. 3Selected and used clearing tools correctly. 1. 4Recorded and stored construction materials appropriately. 1. 5Developed a comprehensive store inventory 1. 6Monitored the utilization of construction resources. 1. 7Maintained clear pig unit repair and maintenance records. 1. 8Demonstrated understanding of materials and supplies for pig unit construction. 1. 9Demonstrated understanding of types and designs of pig units. 1. 10 Demonstrated understanding of types of pig production systems</p>
2. Resource Implications for Competence Certification	<p>The following resources MUST be provided:</p> <p>2.1 Access to the relevant workplace where assessment can take place 2.2 Appropriately simulated environment where assessment can take place 2.3 Materials relevant to the proposed activity or tasks</p>

3. Methods of Assessment	<p>Competency may be assessed through:</p> <ul style="list-style-type: none"> 3.1 Observation 3.2 Written test 3.3 Interview 3.4 Oral questions 3.5 Third party report
4. Context for Assessment	<p>Assessment may be conducted in:</p> <ul style="list-style-type: none"> 4.1. On-the-job 4.2. Off-the-job 4.3. Workplace attachment
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.