

## CONSTRUCT POULTRY STRUCTURES

**UNIT CODE:** 0811 251 01A

**TVET CDACC UNIT CODE:** POL/OS/BR/CR/01/3/MA

### **UNIT DESCRIPTION:**

This unit specifies the competencies required to construct poultry structures. It involves preparing to construct poultry structures, constructing poultry house structure, installing poultry house structures and equipping poultry house.

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
These describe the key outcomes which make up workplace function.	These are assessable statements which specify the required level of performance for each of the elements. <i><b>Bold and italicized terms are elaborated in the range.</b></i>
1. Prepare to construct poultry structures	1.1 Construction materials are assembled at construction site according to work place policy 1.2 Site of the poultry house is cleared based on guidelines in the Poultry Production Manual ( <b>PPM</b> ) 1.3 Personal Protection Equipment and Apparel ( <b>PPE</b> ) are gathered and donned based on work requirements
2. Construct poultry house structures	2.1 <b>Poultry house</b> layout is pegged according to design 2.2 Poultry house foundation is excavated based on house design, topography and soil type 2.3 Poultry house foundation is laid based on type of construction materials and design 2.4 <b>Poultry house parts</b> are constructed as per house design and type of construction materials procured.
3. Install poultry house structures	3.1 Fixed <b>poultry house structures</b> are constructed as per provided design and type of construction materials available 3.2 Movable poultry house structures are installed in the poultry house based on the design and pattern recommended in the PPM
4. Equip poultry house	<b>4.1 Poultry house equipment</b> installed or stored as per specifications in the poultry production manuals

## RANGE

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

Variable	Range
1. PPM may include but not limited to	<ul style="list-style-type: none"><li>National Poultry Development Programme Manual</li><li>Production manuals by breeding and multiplication organizations like Issa Brown, Cobb, Kenchic and KALRO</li></ul>
2. PPE may include but not limited to	<ul style="list-style-type: none"><li>Overalls</li><li>Gumboots</li><li>Nose and mouth mask</li><li>Goggles</li><li>Gloves</li><li>Head gear</li></ul>
3. Poultry house may include but not limited to	<ul style="list-style-type: none"><li>Standard open sided house</li><li>Environmentally controlled house</li><li>Slated floor house</li><li>Battery cage house</li><li>Deep litter house</li></ul>
4. Poultry house parts may include but not limited to:	<ul style="list-style-type: none"><li>Walls</li><li>Floor</li><li>Roof</li></ul>
5. Poultry house structures may include but not limited to	<ul style="list-style-type: none"><li>Perches</li><li>Cages</li><li>Pallets</li><li>Electrical / water lines</li><li>Slatted floors</li><li>Brooder</li></ul>
6. Poultry house equipment may include but not limited to	<ul style="list-style-type: none"><li>Waterers</li><li>Feeders</li><li>Thermometer</li><li>Heat source</li><li>Hygrometer</li></ul>

## 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
- Carpentry
- Fabrication
- Negotiation
- Numeracy
- Observation
- Problem solving

## **Required knowledge**

The individual needs to demonstrate knowledge of:

- Measurements and conversions
- Carpentry
- Feeding and watering spacing allowances
- Geometry (symmetry)
- Handling and assessment construction materials
- House orientation
- Occupational health and safety procedures
- Types of poultry house equipment

## **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	Assessment requires evidence that the candidate: 1.1 Gathered and donned appropriate Personal Protective Equipment and (PPE) based on work requirements 1.2 Constructed poultry house parts as per provided house design and type of construction materials assembled. 1.3 Constructed poultry house structures as per provided design and type of construction materials available 1.4 Installed poultry house structures timely as per the pattern recommended in the PPM 1.5 Poultry house equipped with required poultry house equipment
2. Resource Implications	The following resources <b>MUST</b> be provided: 2.1 Assessment location / Upcoming broiler production farm 2.2 Personal Protective Equipment and Apparel
3. Methods of Assessment	Competency may be assessed through: 3.1 Observation 3.2 Written tests 3.3 Oral questioning 3.4 Third party report
4. Context of Assessment	Competency may be assessed on the job, off the job or a combination of these. Off the job assessment must be undertaken in a closely simulated workplace environment.
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector, workplace and job roles is recommended.