

CONSTRUCT POULTRY STRUCTURES

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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.

ELEMENT These describe the key outcomes which make up workplace function.	PERFORMANCE CRITERIA These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the range.</i>
1. Prepare to construct poultry structures	1.1 Suitable poultry house design for construction selected and acquired based on production system, cost and farmers' preferences 1.2 Construction materials are procured based on selected procurement method 1.3 Construction materials are transported to construction site according to work place policy 1.4 Construction materials are stored according to work place policy 1.5 Site of the poultry house is determined based on guidelines in the <i>Poultry Production Manual (PPM)</i> 1.6 <i>Personal Protection Equipment and Apparel (PPE)</i> are gathered and donned based on work requirements
2. Construct poultry house structure	2.1 <i>Poultry house</i> 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 <i>Poultry house parts</i> are constructed as per house design and type of construction materials procured.
3. Install poultry	3.1 Suitable <i>poultry house structures</i> designs are identified

house structures	<p>based on production system, cost and farmers' preferences</p> <p>3.2 Fixed poultry house structures are constructed as per design and type of construction materials available</p> <p>3.3 Period of installation of poultry house structures is determined based on the age of the birds</p> <p>3.4 Movable poultry house structures are installed in the poultry house based on the design and pattern recommended in the PPM</p>
4. Equip poultry house	<p>4.1 Poultry house equipment are acquired based on work place procedures and poultry house requirements</p> <p>4.2 Poultry house equipment are stored according to work place procedures</p> <p>4.3 Poultry house equipment are installed as per specifications in the PPM</p>

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. Poultry Production Manual (PPM) may include but not limited to:	<ul style="list-style-type: none"> National Poultry Development Programme Manual Production manuals by breeding and multiplication organizations like Issa Brown, Cobb, Kenchic and KALRO
2. Personal Protection Equipment and Apparel (PPE) may include but not limited to:	<ul style="list-style-type: none"> Overalls Goggles Gumboots Gloves Nose and mouth mask Head gear
3. Poultry house may include but not limited to:	<ul style="list-style-type: none"> Standard open sided house Battery cage house Environmentally controlled house Deep litter

	<ul style="list-style-type: none"> • Slated floor house 	house
4. Poultry house parts may include but not limited to:	<ul style="list-style-type: none"> • Walls • Floor • Roof 	
5. Poultry house structures may include but not limited to:	<ul style="list-style-type: none"> • Nest boxes • Perches • Cages • Pallets 	<ul style="list-style-type: none"> • Electrical / water lines • Slatted floors • Brooder
6. Poultry house equipment may include but not limited to:	<ul style="list-style-type: none"> • Waterers • Feeders • Thermometer 	<ul style="list-style-type: none"> • Heat source • Hygrometer

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
- Fabrication
- Negotiation
- Numeracy
- Observation
- Problem solving

Required knowledge

The individual needs to demonstrate knowledge of:

- Area measurements and conversions
- Basic carpentry
- Basic masonry
- 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 Selected and acquired suitable poultry house design for construction based on production system, cost and farmers' preferences 1.2 Determined site of the poultry house based on guidelines in the Poultry Production Manual (PPM) 1.3 Gathered and donned appropriate Personal Protection Equipment and Apparel (PPE) based on work requirements 1.4 Constructed poultry house parts as per house design and type of construction materials procured. 1.5 Identified suitable poultry house structures designs based on production system, cost and farmers' preference. 1.6 Constructed poultry house structures as per suitable design and type of construction materials available 1.7 Installed movable poultry house structures timely following suitable design and pattern recommended in the PPM 1.8 Installed poultry house equipment are following suitable pattern recommended in the PPM 1.9 Poultry house equipped with required poultry house structures and equipment
2. Resource Implications	The following resources MUST be provided: 2.1 Assessment location / Upcoming layer 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 during industrial attachment. 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.