

**071906T4AEN**

**AGRICULTURAL ENGINEERING TECHNICIAN LEVEL 6**

**ENG/OS/AGR/CR/02/6/A**

**Construct Farmstead Structures and Farm Roads**

**March/April 2025**



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**PRACTICAL ASSESSMENT**

**INSTRUCTIONS TO ASSESSOR**

1. Assess the candidate as the practical progresses observing the critical areas
2. You are required to mark the practical as the candidate perform the tasks
3. You are required to take video clips at critical points
4. Ensure the candidate has a name tag and registration code at the back and front

## OBSERVATION CHECKLIST

<b>Candidate's Name &amp; Registration Code</b>			
<b>Assessors Name &amp; Registration Code</b>			
<b>Venue of Assessment</b>			
<b>Date of Assessment</b>			
<b>Items to be Evaluated:</b> <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	<b>Marks Available</b>	<b>Marks Obtained</b>	<b>Comments</b>
<b>TASK 1:</b>			
1. Wore PPEs (Gloves, safety boots/gumboots, and overall). <i>(Award one mark for any of PPE donned as per workplace procedures)</i>	<b>3</b>		
2. Gathered and identified tools and materials required for construction of a poultry shelter as per the task requirements <i>(Award one mark for tools and 1 for materials or zero)</i>	<b>2</b>		
3. Identified the correct site as per structural requirements <i>(Award one mark or zero)</i>	<b>1</b>		
4. Cleared the site as per workplace procedures <ul style="list-style-type: none"> <li>• Selected appropriate tools</li> <li>• Appropriately used the tools</li> <li>• Cleared the site</li> <li>• Disposed the waste</li> </ul> <i>(Award one mark for each activity)</i>	<b>4</b>		

5. Measured the poultry shelter on the ground with the correct dimensions (1.2 x 1.75m) as per the design drawings  <i>(Award two marks for the activity or zero)</i>	<b>2</b>		
6. Marked out the holes at the correct spacing as per the design drawings  <i>(Award one mark for each hole)</i>	<b>1</b>		
7. Dug 4 holes of 6 Inches diameter 50 cm depth as per the design drawings  <i>(Award one mark for each hole)</i>	<b>4</b>		
8. Cut the posts to required dimensions (to maintain a height of 2.3m) as per the design drawings  <i>(Award half a mark for each post)</i>	<b>2</b>		
9. Applied engine oil to the posts (only the part to be inserted into the ground) as per the material requirements  <i>(Award half a mark for each post)</i>	<b>2</b>		
10. Placed the posts in the holes while compacting the soil around the posts as per the design drawings.  <i>(Award half a mark for each post)</i>	<b>2</b>		
11. Measured out the positions for the floor at the correct height above the ground (at 0.8m) as per the design drawings  <i>(Award half a mark for each position)</i>	<b>2</b>		
12. Cut the 2x 2 timber to required dimensions	<b>4</b>		

(to maintain a length of 2m x 1.75 m) as per the design drawings (Award 1 mark for each piece)			
13. Nailed the rails to the poles at the correct positions as per the design drawings (Award half a mark for each position)	<b>2</b>		
14. Measured out the positions for the ring beam at the correct height above the ground (at 1.8m) as per the design drawings (Award half a mark for each position)	<b>2</b>		
15. Cut the 2x 2 timber to required dimensions (to maintain a length of 1.2m x 1.75 m) as per the design drawings (Award 1 mark for each piece)	<b>4</b>		
16. Nailed the rails to the poles at the correct positions as per the design drawings (Award half a mark for each position)	<b>2</b>		
17. Measuring, cutting and fitting of perching rails as per the design drawings (Award half a mark for each rail)	<b>4</b>		
18. Fitted the wire mesh under the floor and on the sides as per the job description i. Measuring ii. cutting iii. fitting of wire mesh (Award 2 marks for each activity done, 1	<b>6</b>		

<i>mark for floor and 1 mark for the sides)</i>			
19. Fixing of the roof as the work place policy <ul style="list-style-type: none"> <li>i. Measuring and fitting the kingpin</li> <li>ii. Measuring and fitting the rafters</li> <li>iii. Measuring and fitting purlins</li> <li>iv. Measuring, cutting and fitting of iron sheets</li> </ul> <i>(Award 2 marks for each step)</i>	2 2 2 6		
20. Fitting the nests and sides as the work place policy <ul style="list-style-type: none"> <li>i. Correct Measuring of 6x 1 timber</li> <li>ii. Cutting to the measured dimensions</li> <li>iii. Partitioning to obtain required number of nests</li> <li>iv. Fitting the nests on both sides of the shelter</li> </ul> <i>(Award 2 marks for each step)</i>	2 2 2 4		
21. Fixing the Rat guards as per the design drawings  <i>(Award 1 marks for each guard fixed)</i>	4		
22. Adhered to safety work place procedures according to organization safety policy <i>(Award one mark or zero)</i>	1		
23. Cleaned and stored tools as per workplace policy <i>(Award one mark or zero)</i>	1		
24. Managed and disposed waste as per the	1		

GAP guidelines. (Award one mark or zero)			
25. Cleaned self as per the work place procedures (Award one mark or zero)	<b>1</b>		
26. Quality of finished product confirmed as per the design drawing (Award two mark or zero)	<b>2</b>		
<b>TOTAL MARKS</b>	<b>80</b>		
<b>ASSESSMENT OUTCOME</b>			
<p>The candidate was found to be:</p> <p style="text-align: center;">Competent <input type="checkbox"/> Not yet Competent <input type="checkbox"/></p> <p>(Please tick as appropriate)</p> <p>(The candidate is competent if the candidate obtains at least 50%)</p>			
<b>Feedback from the Candidate:</b>			
<b>Feedback to the Candidate:</b>			
<b>Candidate Signature</b>		<b>Date:</b>	
_____		_____	
<b>Assessor's Signature</b>		<b>Date</b>	
_____		_____	