

**073203T4PLM**

**PLMBING LEVEL 3**

**CON/OS/PL/CR/01/3/A**

**Install Pipes in Buildings**

**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>
1. Used personal protective equipment in line with occupational safety and health requirements <ul style="list-style-type: none"> <li>i. Hand gloves</li> <li>ii. Overall</li> <li>iii. Safety boots</li> </ul> <i>(Award 1 mark each or zero)</i>	<b>1</b> <b>1</b> <b>1</b>		
2. Interpreted the working drawing correctly  <i>(Award 1 mark or zero)</i>	<b>1</b>		
3. Selected and used tools and equipment correctly based on the requirements of the job. <ul style="list-style-type: none"> <li>i. Tape measure</li> <li>ii. Hacksaw</li> <li>iii. Pipe wrench</li> <li>iv. Vice</li> </ul> <i>(Award 1 mark for each tool or zero)</i>	<b>1</b> <b>1</b> <b>1</b> <b>1</b>		

4. Measured and cut the correct pipe dimensions; i. 350 mm x2 ii. 200 mm iii. 150 mm x2 iv. 250 mm x2 v. 340 mm vi. 300 mm vii. 260 mm <i>(Award 1 mark for each or zero)</i>	<b>2</b> <b>1</b> <b>2</b> <b>2</b> <b>1</b> <b>1</b> <b>1</b>		
5. Obtained correct angles; i. 45 ° ii. 60 ° <i>(Award 2 marks for each or zero)</i>	<b>2</b> <b>2</b>		
6. Observed verticality when: i. Cutting ii. Threading <i>(Award 2 marks for each step or zero)</i>	<b>2</b> <b>2</b>		
7. Bent the pipes using correct method and angle as per the drawing. <i>(Award ½ mark for each bend x 6 or zero)</i>	<b>3</b>		
8. Assembled and fitted the pipes to the fittings: i. Union x 3 ii. Reducer socket x 2 iii. Adapter x 2 <i>(Award marks as guided for each or zero)</i>	<b>3</b> <b>2</b> <b>2</b>		

9. Stored piping tools and equipment as per workplace procedures. <i>(Award 1 mark or zero)</i>	<b>1</b>		
10. Proper waste disposal. <i>(Award 2 marks or zero)</i>	<b>2</b>		
<b>SUB-TOTAL 1</b>	<b>39</b>		
<b>PRODUCT CHECKLIST</b>			
11. General finish. P.V.C. pipe heat bends i. Smooth bend (3x1) ii. No overheating (3x1) iii. No wrinkles (3x1) G.I. pipe machine bend i. Quality of bends (3x1) ii. No collapsing (3x1) No thread exposure ( <i>Any 4x<math>\frac{1}{2}</math></i> )	<b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>3</b> <b>2</b>		
12. General finish i. Proper alignment <i>(Award 1 mark or zero)</i> ii. No excessive marks <i>(Award 1 mark or zero)</i>	<b>1</b> <b>1</b>		
13. Complete and assembled 75% and above ( <i>Award 2</i> ) 50% and above ( <i>Award 1</i> )	<b>2</b>		
<b>SUB-TOTAL 2</b>	<b>21</b>		
<b>GRAND TOTAL</b>	<b>60</b>		

<b>ASSESSMENT OUTCOME</b>	
The candidate was found to be:	
Competent <input type="checkbox"/>	Not yet Competent <input type="checkbox"/>
<i>(Please tick as appropriate)</i>	
<i>(The candidate is competent if the candidate obtains at least 50%)</i>	
<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>
_____	_____