

**073203T4PLM**

**PLUMBING LEVEL 4**

**CON/OS/PL/CR/02/4/A**

**Install Rainwater Harvesting System**

**March/April 2025**



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

**PRACTICAL ASSESSMENT**

**ASSESSOR'S GUIDE**

**INSTRUCTIONS TO THE ASSESSOR**

1. You are required to mark the practical as the candidate performs the tasks.
2. You are required to take video clips and photo at critical points.
3. Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing Candidate's name and registration code.

**This practical assessment checklist consists of SIX (6) printed pages.**

**Assessor should check to ascertain that all pages are printed as indicated and that no page is missing.**

| OBSERVATION CHECK LIST                                                                                                                                                                                                                                          |                        |                       |                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|-----------------|
| <b>Candidate's name &amp; Registration No.</b>                                                                                                                                                                                                                  |                        |                       |                 |
| <b>Assessor's name &amp; Id code</b>                                                                                                                                                                                                                            |                        |                       |                 |
| <b>Unit(s) of Competency</b>                                                                                                                                                                                                                                    |                        |                       |                 |
| <b>Venue of Assessment</b>                                                                                                                                                                                                                                      |                        |                       |                 |
| <b>Date of assessment</b>                                                                                                                                                                                                                                       |                        |                       |                 |
| <b>Items to be evaluated:</b>                                                                                                                                                                                                                                   | <b>Marks allocated</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>• Overall</li> <li>• Helmet</li> <li>• Safety boots</li> <li>• Gloves</li> </ul> <i>(Award 1/2 mark or zero for each)</i> | 2                      |                       |                 |
| 2. Interpreted the working drawing correctly<br><i>(Award 2 marks or zero )</i>                                                                                                                                                                                 | 3                      |                       |                 |

|                                                                                                                                                                                                                                                                                                                                                                                           |    |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|--|
| <p>3. Rainwater harvesting materials are identified and assembled</p> <ul style="list-style-type: none"> <li>• PVC gutter outlet</li> <li>• PVC gutter stop end</li> <li>• PVC gutter</li> <li>• Gutter bracket</li> <li>• Down pipe</li> <li>• Bends</li> <li>• GI clips</li> <li>• Timber 6x1</li> <li>• PVC bend</li> <li>• Nails</li> </ul> <p><i>(Award 1 mark each or zero)</i></p> | 10 |  |  |
| <p>4. Identified tools and equipment and used appropriately.</p> <ul style="list-style-type: none"> <li>• <b>Hacksaw</b></li> <li>• <b>Screw driver</b></li> <li>• <b>Tape measure</b></li> <li>• <b>Crow hammer</b></li> <li>• <b>Spirit level</b></li> <li>• <b>Builder string</b></li> </ul> <p><i>(Award ½ mark each tool or zero)</i></p>                                            | 3  |  |  |

|                                                                                                                     |    |  |  |
|---------------------------------------------------------------------------------------------------------------------|----|--|--|
| 5. Disposed of segregated wastes in line with environmental protection guidelines<br><i>(Award 3 marks or zero)</i> | 1  |  |  |
| 6. Cleaned tools and equipment, stored them as per guideline.<br><i>(Award 2 marks or zero)</i>                     | 1  |  |  |
| <b>SUB TOTAL</b>                                                                                                    | 20 |  |  |

| <b>PRODUCT CHECKLIST</b>                                                                                                                                                                                               |                  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--|--|
| 7. Measured materials based on working drawings and specifications.<br><br><ul style="list-style-type: none"> <li>• <b>1200mm</b></li> <li>• <b>150mm</b></li> <li>• <b>300mm</b></li> <li>• <b>1000 mm</b></li> </ul> | 2<br>2<br>2<br>2 |  |  |
| 8. Installed rain water goods <ul style="list-style-type: none"> <li>• Plumbness.</li> <li>• Firm joints.</li> <li>• Levelness</li> <li>• No leakages</li> </ul> <i>Award 2 mark for each point or zero.</i>           | 3<br>3<br>3<br>3 |  |  |
| 9. Jointed rain water goods <ul style="list-style-type: none"> <li>• End cap (1x2)</li> <li>• Down pipe</li> <li>• Disposal pipe</li> <li>• Gutter outlet</li> </ul> <i>(Award 2 mark each or</i>                      | 2<br>2<br>2<br>2 |  |  |

|                                                                                                                                                                                                                                                                                         |             |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|--|
| 10. Conducted water test and correct faults<br>(Award 3 marks or zero)                                                                                                                                                                                                                  | 2           |  |  |
| <b>SUBTOTAL</b>                                                                                                                                                                                                                                                                         | <b>30</b>   |  |  |
| <b>TOTAL</b>                                                                                                                                                                                                                                                                            | <b>50</b>   |  |  |
| <b>ASSESSMENT OUTCOME</b>                                                                                                                                                                                                                                                               |             |  |  |
| <p><b>The candidate was found to be:</b></p> <p style="text-align: center;">Competent <input type="checkbox"/>      Not yet competent <input type="checkbox"/></p> <p>(Please tick as appropriate)</p> <p><i>(The candidate is competent if the candidate obtains at least 50%)</i></p> |             |  |  |
| <p><b>Feedback from the candidate</b></p><br><br><br>                                                                                                                                                                                                                                   |             |  |  |
| <p><b>Feedback to candidate</b></p><br><br><br>                                                                                                                                                                                                                                         |             |  |  |
| <b>Candidate's signature</b>                                                                                                                                                                                                                                                            | <b>Date</b> |  |  |
| <b>Assessor's signature</b>                                                                                                                                                                                                                                                             | <b>Date</b> |  |  |

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