

073203T4PLM

PLUMBING LEVEL 3

COS/OS/PL/CR/03/3/A

Install Storage and Pumping Systems.

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

Candidate's Name & Registration Code			
Assessors Name & Registration Code			
Venue of Assessment			
Date of Assessment			
Items to be Evaluated: <i>Please award marks as appropriate. Give a brief comment on your observation.</i>	Marks Available	Marks Obtained	Comments
TASK 1:			
1. Adhered to prescribed safety as per workplace procedures <ul style="list-style-type: none"> • Wore PPEs (overall, safety boots). <i>(Award 1 mark for each; 1x2=2 or zero)</i>	2		
2. Identified and interpreted symbols based on international technical drawings (ISO 128). <ul style="list-style-type: none"> • Gate valve. • Union • Plug <i>(Award 1 mark each; 1x3=3 or zero)</i>	3		
3. Identified materials and supplies required for installation. <i>(Award 2 marks or zero)</i>	2		
4. Selected tools and equipment needed. <i>(Award 2 marks or zero)</i>	2		
5. Identified storage and ancillary appliance position based on working drawing. <i>(Award 2 marks or zero)</i>	2		
6. Interpreted drawing as presented. <i>(Award 2 marks or zero)</i>	2		
7. Mounted storage tank based on working drawing. <i>(Award 2 marks or zero)</i>	2		
8. Did pipe work installation to water storage tank as per the working drawing.	3		

<ul style="list-style-type: none"> • Measuring • Cutting. • Joining <p><i>(Award 1 mark each or zero)</i></p>			
9. Did pipe work installation to pump as per the drawing. <i>(Award 3 marks or zero)</i>	3		
10. Used tools and equipment as required. <ul style="list-style-type: none"> • PPR threading machine • Die and stock • Hacksaw • Tape measure <p><i>(Award 1 mark each; 1x4=4 or zero)</i></p>	4		
11. Tested functionality of the Storage tank and pump. <i>(Award 2 marks or zero)</i>	2		
12. Corrected faults identified in the storage tank and pump. <i>(Award 3 marks or zero)</i>	3		
Sub-Total 1	30		
PRODUCT CHECKLIST			
13. Correctly mounted storage tank; <ul style="list-style-type: none"> • Positioning • Ball valve functioning <p><i>(Award 2 marks each or zero)</i></p>	2 2		
14. Accuracy in pipe work measurements <ul style="list-style-type: none"> • 900mm • 750 mm x 2 • 300 mm x 4 <p><i>(Award 1 mark each; 1x7=7 or zero)</i></p> <ul style="list-style-type: none"> • 2-3 thread exposure on all 20 joints • No leakages on all joints <p><i>(Award 2 marks each; 2x2=4 or zero)</i></p>	7 2 2		
15. Correct fittings assembly to pipework and			

storage tank <ul style="list-style-type: none"> • Elbow • Plug • Union • Valve • Ball valve (Award 1 mark each; 1x5=5 or zero)	5		
Sub-Total 2	20		
GRAND TOTAL	50		
ASSESSMENT OUTCOME			
The candidate was found to be: <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> Competent <input style="width: 40px; height: 20px; border: 1px solid black;" type="checkbox"/> Not yet Competent <input style="width: 40px; height: 20px; border: 1px solid black;" type="checkbox"/> </div> (Please tick as appropriate) (The candidate is competent if the candidate obtains at least 50%)			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
Assessor's Signature		Date	

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