

073204T4PLM

PLUMBING LEVEL 4

COS/OS/PL/CR/01/4/A

Install Water Pipes and Ancillary Appliances

Nov/Dec 2024



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

PRACTICAL ASSESSMENT

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 work place procedures and OSHA. <ul style="list-style-type: none"> • Overall/dust coat • Safety boots (Award 2 mark for full PPE worn or zero)	2		

<p>2. Observed occupational health and safety precautions as per legal requirements.</p> <ul style="list-style-type: none"> • Safe use of tools and equipment • Proper arrangement <p><i>(Award 2 marks for each observed safety; 2x2=4 or zero)</i></p>	4		
<p>3. Interpreted working drawings based on technical drawings standards.</p> <ul style="list-style-type: none"> • Safe use of tools and equipment • Proper arrangement <p><i>(Award 2 marks or zero)</i></p>	2		
<p>4. Identified tool, equipment, materials and supplies required for piping based on the working drawings and specifications.</p> <ul style="list-style-type: none"> • Measuring tools. • Cutting tools. • Bending tools. • Pipe vice. <p><i>(award $\frac{1}{2}$ mark for each 4 tools assembled or zero)</i></p>	2		
<p>5. Quantified materials and supplies required are based on working drawings and specifications.</p> <ul style="list-style-type: none"> • Socket. • Tee. • Adaptor. • Reducing bush. 	4		

<i>(Award 1 mark each supplies identified or zero)</i>			
6. Measured and cut based on type, drawing specifications and job requirements. <ul style="list-style-type: none"> • Ø25 mm GI 300 mm. • Ø25 mm GI 350 mm. • Ø25 mm GI 200mm x 3 • Ø20 mm GI 500 mm • Ø25 mm GI 150 mm • Ø25 mm PVC 300 mm x 2 • Ø25 mm PVC 500 mm <i>(Award ½ a mark for each measured and cut lengths or zero)</i>	4		
7. Bended pipe using machine based on type, drawing specifications and requirements of the job. <i>(Award one mark or zero)</i>	1		
8. Threaded pipes are based on best practices. <i>(Award ½ a mark for each 10 threaded pipe ends or zero)</i>	5		
9. Bended pipes using heat method based on type, drawing specification and requirements of the job. <i>(Award one mark for each bend or zero)</i>	2		
10. Prepared and fitted pipes works based on type and drawing specifications. <ul style="list-style-type: none"> • Socket. • Tee. • Cross tee. 	5		

<ul style="list-style-type: none"> • Union. • Elbow • Tap. • Adaptor 2 no. • Reducing bush 2 no. <p><i>(Award ½ a mark each; ½ x 10=5 or zero)</i></p>			
11. Cleaned, maintained and stored tools and equipment as per manufacturers' instructions. <i>(Award 2 marks or zero)</i>	2		
12. Segregated and disposed of wastes in line with environment protection guidelines. <i>(Award 2 marks or zero)</i>	2		
Sub-Total 1	35		
PRODUCT CHECK LIST			
13. Smooth pipe bends <ul style="list-style-type: none"> • 90° GI • 90° PVC x 2 <i>(Award one mark each or zero)</i>	3		
14. Over-heating and surface wrinkles on PVC <i>(Award two marks each or zero)</i>	2		
15. Surface collapsing on 90° GI bends <i>(Award one mark each or zero)</i>	1		
16. Excessive marks on GI surface. <i>(Award two marks or zero)</i>	2		
17. 2-3 threads exposure on GI pipes. <i>(Award ½ a mark each; ½ x 10=5 or zero)</i>	5		

18. Completeness of the project. <i>(Award 2 marks for 100% completion and 1 mark for 75% completion or zero</i>	2		
Sub-Total 2	15		
GRAND TOTAL	50		
ASSESSMENT OUTCOME			
<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><i>(Please tick as appropriate)</i></p> <p><i>(The candidate is competent if the candidate obtains at least 50%)</i></p>			
Feedback from the Candidate:			
Feedback to the Candidate:			
Candidate Signature		Date:	
_____		_____	
Assessor's Signature		Date	
_____		_____	