

071306T4EEN

ELECTRICAL ENGINEERING (POWER OPTION) LEVEL 6

ENG/OS/PO/CR/02/6

Install Electrical Power Lines

July/August 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			
Unit of competency	Install electrical power line		
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
1. Wore safety clothing (a) Safety boots <i>(Award 1 or 0)</i> (b) Apron <i>(Award 1 or 0)</i> (c) Gloves <i>(Award 1 or 0)</i>	1 1 1		
2. Acquired and assembled tools and materials listed	6		
Sub-Total	9		
TASK: 1			
3. Fixed accessories Cross arm <i>(Award 3 marks each)</i> Suspension insulators <i>(Award 3 marks each)</i> Tie strap. <i>(Award 3 marks each)</i>	9 9 6		
Sub-Total	24		
TASK: 2			
4. Stringed the spans <i>(Award 3 marks each)</i>	3		

5. Terminated conductors <i>(Award 3 marks each)</i>	9		
6. Used the climbing apparatus correctly. (a) Used climbers correctly <i>(Award 0 or 3)</i> (b) Secured self by use of climbing belt and rope while climbing and fixing the shackle insulators <i>(Award 0 or 4).</i>	3 4		
Sub-Total	19		
TASK: 3			
7. i. Supported post with stay wire <i>Award 3 marks or 0)</i> ii. Stay block connected <i>(Award 2 marks or 0)</i>	3 2		
Sub-Total	5		
TASK: 4			
8. Installed the PME system correctly. (a) Earth rod (b) Correct type of wire (c) Terminated the earth wire to the rod. <i>(Award 1 mark for each)</i>	2 2 2		
9. Installed the lighting arrester at the pole in the receiving end <i>(Award 1 mark)</i>	2		
Sub-Total	8		
GRAND TOTAL	65		
$\frac{x}{65} \times 100$			
ASSESSMENT OUTCOME			

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>	
Feedback from the Candidate:	
Feedback to the Candidate:	
Candidate Signature _____	Date: _____
Assessor's Signature _____	Date _____

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