

**071306T4EEN**

**Electrical Engineering (Power Option) Level 6**

**ENG/CU/PO/CR/02/6**

**Install Electrical Power Lines**

**July/August 2023**



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

*easytvet.com*

**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 at critical points.
3. Ensure the candidate has a name tag and registration code at the back and front.
4. Ensure at all times that the candidate is performing tasks in a safe environment

**This paper consists of four (5) printed pages.**

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

<b>Candidate's name &amp; Registration No.</b>			
<b>Assessor's name &amp; Reg. code</b>			
<b>Unit(s) of Competency</b>			
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<b>Items to be evaluated:</b> <i>(Award marks as appropriate for each item evaluated)</i>	<b>Marks available</b>	<b>Marks obtained</b>	<b>Comments</b>
<b>OBSERVATION CHECKLIST</b>			
1. Wore safety clothing i. Safety boots <i>(Award 1 or 0)</i> ii. Apron <i>(Award 1 or 0)</i> iii. Proper handling of tools <i>(Award 1 or 0)</i>	1 1 1		
2. Observed colour code <i>(Award 1 or 0)</i>	1		
<b>Sub Total</b>	<b>4</b>		
<b>PRODUCT CHECKLIST</b>			
3. Listed tools to be used <i>(award any <math>4 \times \frac{1}{2}</math>)</i>	2		
4. Listed materials used <i>(award any <math>4 \times 1</math>)</i>	4		
<b>Sub-total</b>	<b>6</b>		
5. Correct circuit diagrams Single phase <i>(Award 5 or 0 marks)</i> three phase <i>(Award 5 or 0 marks)</i>	10		
6. Installed the circuit using provided materials i. Fixed components firm and level <i>(award <math>5 \times 1</math>)</i>	5		



<b>Sub-total</b>	<b>4</b>		
<b>Total marks</b>	<b>57</b>		
<b>The candidate was found to be:</b> (Please tick (√) as appropriate)			
Competent <input type="checkbox"/>	Not yet competent		<input type="checkbox"/>
<i>(The candidate is competent if the candidate scores 50% and above)</i>			
<b>Feedback from candidate:</b>			
<b>Feedback to candidate:</b>			
<b>Candidate's signature:</b>		<b>Date:</b>	
<b>Assessor's signature:</b>		<b>Date:</b>	

List of tools

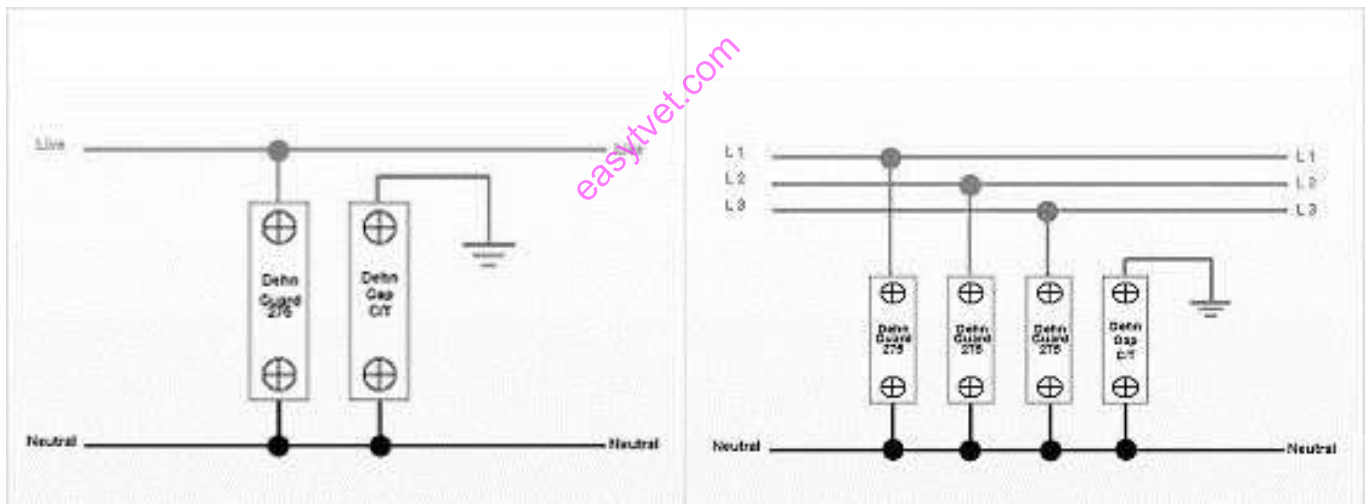
- i. Neon tester
- ii. Combinational pliers
- iii. Side cutter
- iv. Set of screw driver
- v. Ball peen hammer
- vi. Tape measure

List of materials

- i. Metal rod
- ii. Plate
- iii. Surge protector
- iv. 3 phase MCB
- v. lightning spike ball/receiver
- vi. Grounding clamp
- vii. Mounting hardware (brackets, rails, clips,)
- viii. 3 phase energy meter

- ix. Conductors
- x. Wood Screws
- xi. Circuit connecting wires

Wiring diagram



**THIS IS THE LAST PRINTED PAGE**