

071305T4EOP

ELECTRICAL OPERATION (POWER OPTION) LEVEL 5

ENG/OS/PO/CR/02/5

Install Electrical Power Lines

July/August 2025



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

PRACTICAL ASSESSMENT

Time: 6 HOURS

INSTRUCTIONS TO CANDIDATE:

1. Figure 1, shows a layout of single-phase distribution pole. Referring to the figure, carry out the following tasks. You are required to perform the following tasks:

Task 1: Dig a 6' hole for the pole and stay block;

Task 2: Drill the holes on the pole using the hand drill;

Task 3: Erect the pole;

Task 4: Assemble and install the stay assembly;

Task 5: Install shackles and earthing system.

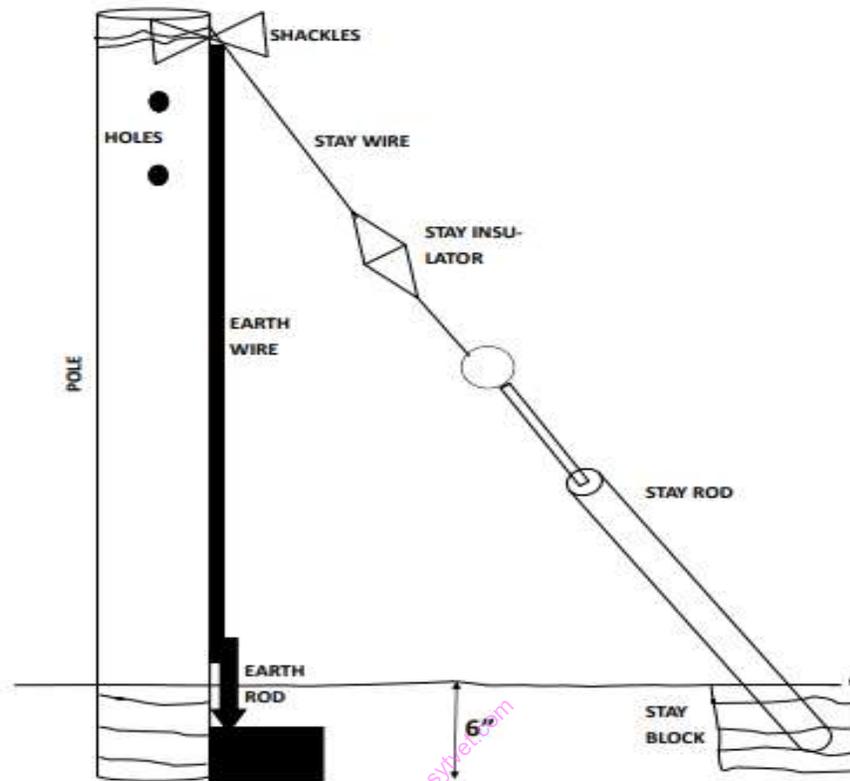


FIGURE 1

2. You have been provided with the following resources for the practical tasks:
- i. Insulator shackle L.V
 - ii. Stay insulator L.V
 - iii. Stay rod $\frac{1}{2}$
 - iv. Stay block $\frac{1}{2}$ "concrete
 - v. Stay wire LV
 - vi. L.V shackle strap
 - vii. Bolt and Nuts ($4 \frac{1}{2}$ "x $\frac{5}{8}$ ")
 - viii. Bolt and Nuts (9" x $\frac{5}{8}$ ")
 - ix. Eye bolt and Nut M20 \times 300 ($\frac{3}{4}$ x 14") H.D Ga
 - x. Suspension insulators LV
 - xi. Copper earth rod 5"x $\frac{1}{2}$ "
 - xii. Search rope

- xiii. Wood pole
- xiv. Auger bit 24’’
- xv. Climbing Safety belts
- xvi. Climbers

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