

ELECTRICAL INSTALLATION

ENG/OS/EI/CR/02/3/MA

Install Trunking System

July/August 2025



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

PRACTICAL ASSESSMENT

INSTRUCTIONS TO THE CANDIDATE:

1. This unit of competence shall be assessed in three phases.
2. Each assessment session has the duration included in brackets
3. The third phase of the assessment shall include a practical session and an oral assessment session.
4. The assessor will take photos and videos as you perform the tasks at critical points during the assessment.
5. Ensure all required resources for the assessment have been provided before beginning the
6. assessment.
7. All measurements are in millimeters (mm)

1. PRACTICAL ASSESSMENT 1 (4 HOURS)

Element covered

Identify trunking Accessories

TASKS

1. Identify trunk types and sizes from a variety provided by the assessor
2. Identify various conduit accessories from a variety provided by the assessor

2. PRACTICAL ASSESSMENT 2 (4 HOURS)

Elements covered

1. Prepare Trunking work pieces
2. Mount Prepare Trunking work pieces

TASK

1. Prepare both metallic trunking work pieces for the installation of Figure 1
2. Mount metallic trunking work pieces for the installation of Figure 1
3. Figure 1 shows an electrical layout diagram of a final sub-circuit.
 - i. Draw the wiring diagram
 - ii. Install the circuit such that lamp L1 is controlled by switch S1

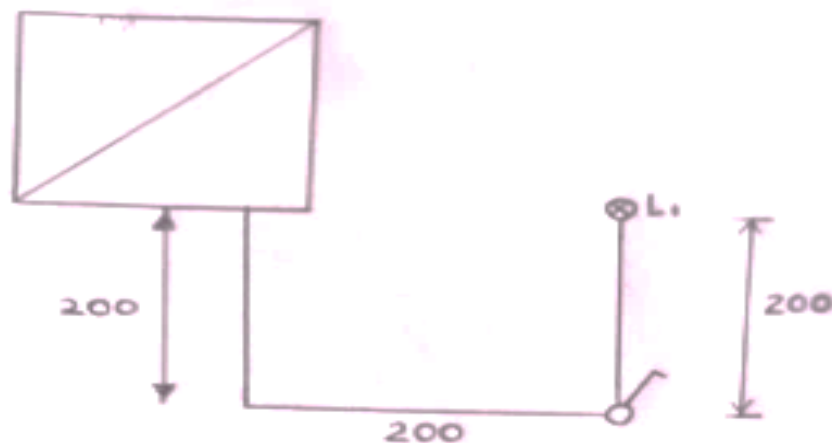


Figure 1

3. PRACTICAL ASSESSMENT 3 (4 HOURS)

Element covered

1. Mount Trunking work pieces
2. Install of electrical cables and accessories
3. Perform Tests and Inspection

TASK

1. Figure 2 shows a layout diagram of final sub-circuits. Draw a wiring diagram such that:
 - i. Lamp L1 and L2 are controlled from two different points
 - ii. socket outlets are connected in radial
2. Using PVC trunking system, install the circuit in Figure 2
3. Perform the following tests
 - i. Continuity
 - ii. Polarity

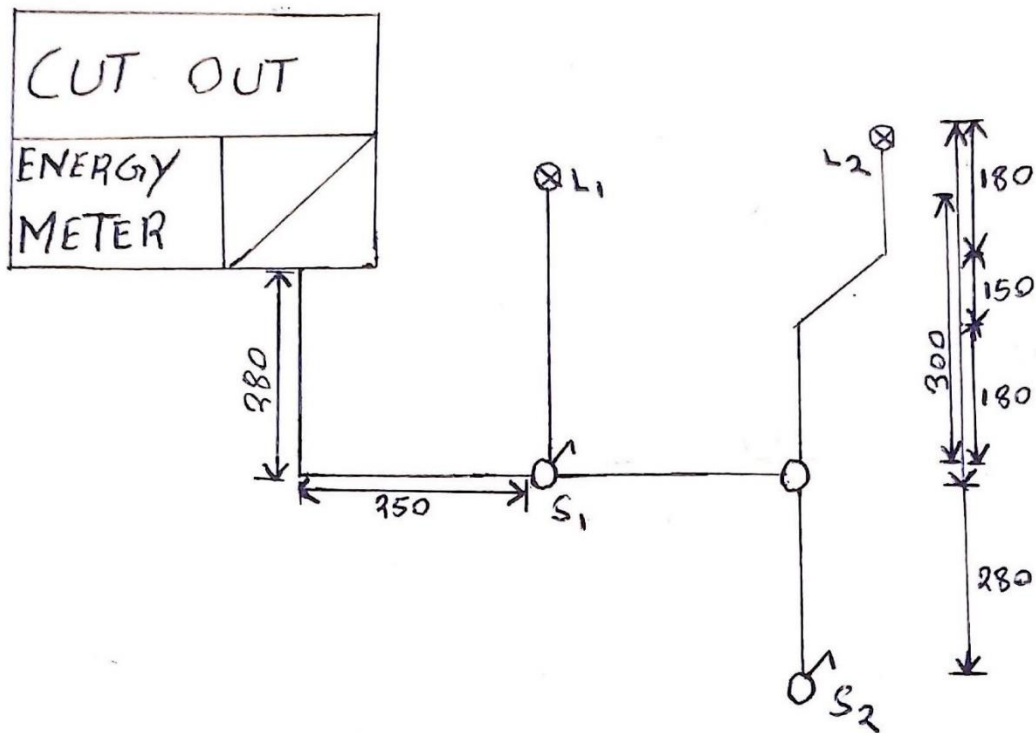


Figure 2