

ELECTRICAL INSTALLATION

ENG/OS/EI/CR/03/3/MA

Install Conduit 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 assessment.

SECTION 1: IDENTIFY CONDUIT ACCESSORIES

Element covered

Identify Conduit Accessories

TASKS

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

SECTION 2: PREPARE AND MOUNT CONDUIT WORKPIECES

Element covered

1. Prepare Conduit Work Pieces
2. Mount Conduit Work Pieces

TASKS

1. Prepare both metallic and PVC conduit work pieces for the installation of Figure 1
2. Mount metallic conduit work pieces for the installation of Figure 1
3. Mount PVC conduit work pieces for the installation of Figure 1

PRACTICAL ASSESSMENT 3 (4 HOURS)

Element covered

1. Install Electrical Cables and Accessories
2. Perform Test and Inspection

TASKS

1. Figure 1 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 conduit wiring system, install the circuit in Figure 1
3. Perform the following tests
 - i. Continuity
 - ii. Polarity

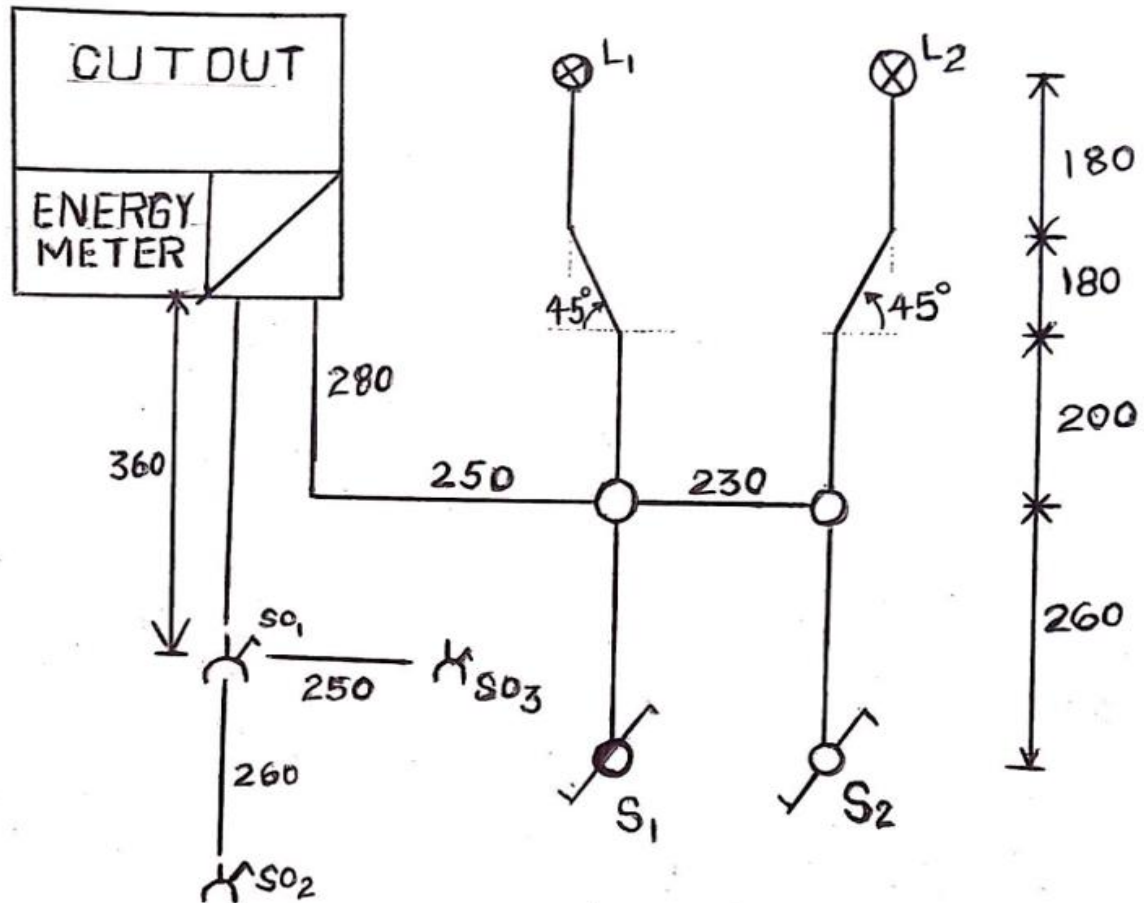


Figure 1