

071306T4EEN

ELECTRICAL ENGINEERING (POWER OPTION) LEVEL 6

ENG/OS/PO/CR/01/6

Perform Electrical Installation

July/August 2025



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

PRACTICAL ASSESSMENT

TIME: 4 HOURS

INSTRUCTIONS TO CANDIDATE:

1. Figure 1 shows the layout of final lighting and power circuits to be wired in a PVC mini-trunking wiring system such that;
 - i. Switches S_2 , S_3 and S_4 controls lamp L_1 and L_2 independently.
 - ii. Switch S_1 is a master switch.
 - iii. Cooker unit is connected in the circuit.
 - iv. Sockets are connected in radial.

You are required to perform the following tasks:

TASK 1: Draw the wiring diagram for the final circuit.

TASK 2: Estimate the materials required to install the project.

TASK 3: Install and wire the circuit.

TASK 4: Power the circuit for the correct operation in the presence of the assessor.

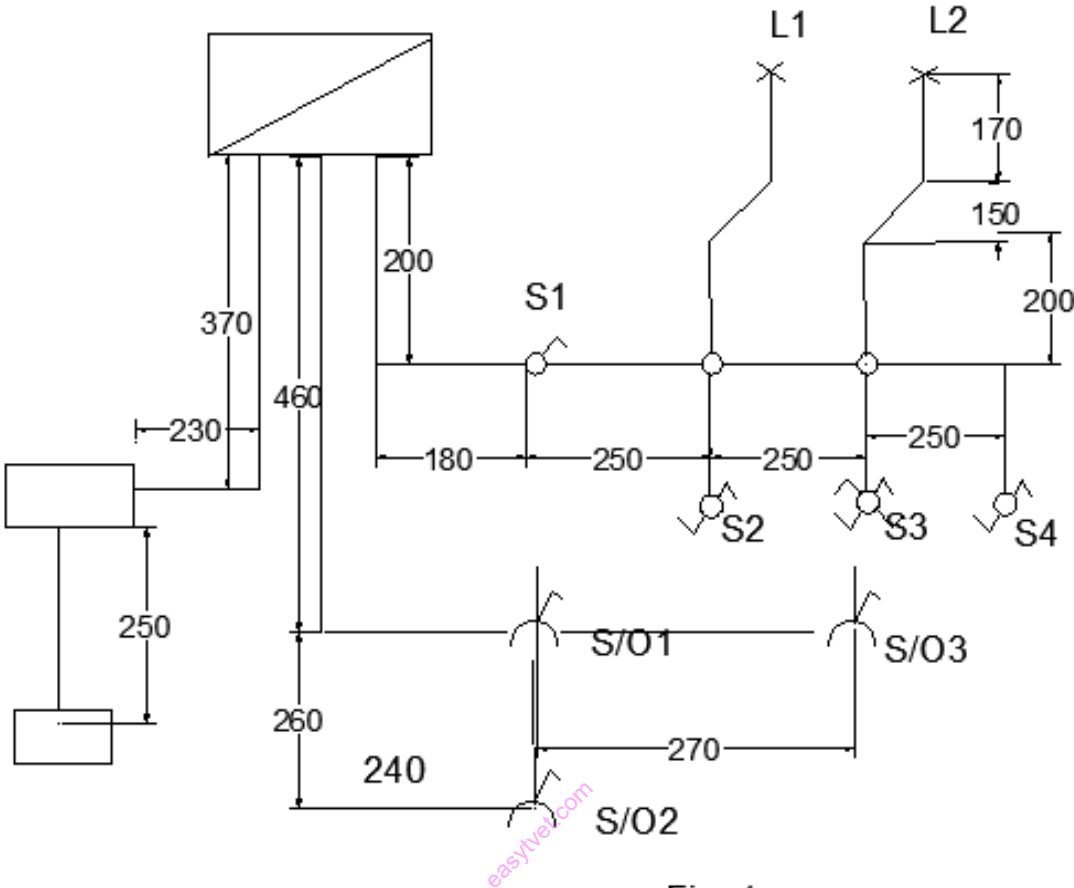


Fig. 1