

MODULE II**ELECTRICAL INSTALLATION TECHNOLOGY****ENG/OS/EI/CR/02/4/MA****PERFORM BELL AND ALARM INSTALLATION****May-July 2026**

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

CUTTING LIST (PER CANDIDATE)

S/N	Item	Quantity	To be provided by the Institution
1.	Electrical Installation board	1pc	
2.	Consumer Control unit	1pc	
3.	12V bell	2 pcs	
4.	240V bell	1Pc	
5.	12V bell relay	2pcs	
6.	240V bell relay	1Pc	
7.	240/12V bell transformer	1pc	
8.	12V Indicator board	1pc	
9.	Bell switch	3pcs	
10.	Indicator lamp	1pc	
11.	Swallow pattress	3pcs	
12.	1.0mm bell wire	2m	
13.	Cable lugs 4.0mm , 6.0mm	1pc each	
14.	Cable lug crimping tool	1pc	

15.	5mm cable clips	1pkt	
16.	Bell staples	½ pkt	
17.	1.5 mm ² single cable Red/Black/ Green (each)	3m	
18.	1.5 mm ² TWE cable	2M	
19.	Cord-pulled bell switch	1pc	
20.	Bell push button	3pcs	
21.	20mm PVC mini trunking	2pcs	
22.	1/2" gypsum screw	1/2Pkt	
23.	Hacksaw	1pc	
24.	6A MCB	2pc	
25.	Earth resistance meter	1pc	
26.	Insulation resistance tester	1pc	
27.	Digital multimeter	1pc	
28.	Electrician tool box	1pc	Candidate to Provide
29.	PPE (helmet, Safety boots, Dust coat)	1 pc each	

ADVANCE INSTRUCTIONS FOR PRACTICAL ASSESSMENT 3

Using the layout diagram in **Figure 1**, the institution to pre-install enough stations for the layout circuit of a bell and alarm circuit, using PVC Conduit such that:

- i. Bell push button A controls the bell 1
- ii. Bell push button B and C controls the bell 2 through the 240V relay.

