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021306T4IOR

INDUSTRIAL AUTOMATION AND ROBOTICS LEVEL 6

ENG/OS/IA/CR/08/6

Install and Maintain Human Machine Interfaces

July/August 2025

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

CUTTING LIST

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S/NO	ITEMS	QUANTITY (per candidate)	PROVIDED BY
1.	PLC module (with 24 volts digital inputs and outputs)	1	Institution
2.	24 volts industrial power supply	1	
3.	24 volts d.c three phase contactors	2	
4.	HMI	1	
5.	Ethernet cable	1	
6.	1.0 mm^2 flex cable (automotive type)	Red – 1 meter Black – 1 meter Blue – 5 meters	
7.	2.5 mm^2 twin with earth cable	1.5 meters	
8.	Normally closed push buttons (motor control type)	1	

9.	Normally open push button (motor control type)	2	
10.	Double socket	1	
11.	Plug	1	
12.	Din rail (MCB type)	0.5 meters	
13.	Cable tray (slotted)	1.5 meters	
14.	Electronics toolkit	1	
15.	24 volts buzzer	1	
16.	Ferrule connector crimping tool	1	
17.	multimeter	1	
18.	Pliers	1	Candidate
19.	Cable stripper	1	

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