

021306T4ICI

INDUSTRIAL CONTROLS INSTALLATIONS LEVEL 6

ENG/OS/IC/CR/1/6

Manage Electrical Motor Control Systems

July/August 2025



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

CUTTING LIST

S/N	Item	Unit	Quantity per candidate	Provided by
1.	3-Phase Induction Motor 3 HP, 415V, 50Hz	1	No	Institution
2. 2	Magnetic Contactor (Forward)	9A, 415V, AC-3 Or 24V DC	1	
3. 3	Magnetic Contactor (Reverse)	9A, 415V, AC-3 Or 24V DC	1	
4. 4	Overload Relay	6–9A, adjustable	1	
5. 6	Main Isolator Switch/circuit breaker	4P, 32A	1	
6. 7	Push Buttons – Start (Forward/Reverse)	NO (Normally Open)	2	
7. 8	Stop Button	NC (Normally Closed)	1	
8. 9	Power supply for PLC	24V	1	

S/N	Item	Unit	Quantity per candidate	Provided by
9. 10	Indicator Lamps/ RED,BLUE, ORANGE	24V or 110V AC	3	
10. 11	Control Cable	single-core, 1.5 mm ² CU, PVC	2 Meters	
11. 12	Power Cable	4-core, 4 mm ² CU, PVC	1 Meter	
12. 19	Labels and Cable Tags	Printed	8	
13.	PLC Module	1	1	
14.	Multimeter	Pcs	1	Candidate
15.	Side cutter	Pcs	1	
16.	Pliers	Pcs	1	
17.	Tape measure	Pcs	1	
18.	Screw Driver set	Pcs	1	

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