

021306T41C1

INDUSTRIAL CONTROLL AND INSTALLATION LEVEL 6

ENG/OS/CR/05/6

Analyze Alternative Energy/ PV Solar

July/August 2025



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

S/NO	ITEM	SPECIFICATION	Quantity per candidate	Provided by
1.	1.5 mm ² singles R/B/G PV sheathed cables	Meter	3	Institution
2.	2.5mm ² singles R/B/G PV sheathed cables	Meter	3.5	
3.	4 way consumer control unit	Pcs	1	
4.	Switch fuse	Pcs	1	
5.	6A/10A circuit breaker	Pcs	1	
6.	32A Double Pole Circuit Breaker	Pcs	1	
7.	120 W solar panel	Pcs	1	
8.	10 A charge controller	length	2	
9.	Through-box PVC	pcs	2	
10.	Switch boxes PVC	pcs	5	
11.	1 gang Two way switch	Pcs	1	
12.	1 gang one way switch	Pcs	1	
13.	13A socket outlet	Pcs	3	
14.	50 w lamps	Pcs	3	
15.	Spacer bar saddles PVC	Pcs	20	

S/NO	ITEM	SPECIFICATION	Quantity per candidate	Provided by
16.	Wood screws $\frac{1''}{4}$	Pcs	Enough	
17.	Multimeter	Pcs	1	
18.	Power supply	Pcs	1	
19.	12 v solar battery	Pcs	1	
20.	Spirit level	Pcs	1	
21.	150 W DC/ AC inverter	Pcs	1	
22.	PPEs	Pcs	1	Candidate
23.	Side cutter	Pcs	1	
24.	Pliers	Pcs	1	
25.	Tape measure	Pcs	1	
26.	Screw Driver set	Pcs	1	

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