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072205T4SPV

SOLAR PV INSTALLATION ASSISTANT LEVEL 4

ENG/OS/PVI/CR/04/4

Install Dc and Ac Solar Photovoltaic System

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.	50 W solar module	1	Institution
2.	10 A charge controller	1	
3.	300W inverter	1	
4.	12V ,50Ah battery	1	
5.	4-way consumer control unit	1	
6.	20 A circuit breaker	1	
7.	6 A circuit breaker	2	
8.	Double pole	1	
9.	Junction box	1	
10.	One gang two-way switch	2	
11.	One gang one-way switch	1	
12.	Straight batten lamp holder	1	
13.	Deep pattress boxes	3	

14.	Shallow pattress boxes	2	
15.	12V DC bulb	1	
16.	13A socket outlets	3	
17.	Mini trunking	2 pcs	
18.	Wood screws	50 pcs	
19.	12 mm Tower clips	15 pcs	
20.	1.5 mm^2 single core cable (Red)	4 meters	
21.	1.5 mm^2 single core cable (Black)	3 meters	
22.	1.5 mm^2 single core cable (Green/yellow)	3 meters	
23.	2.5 mm^2 single core cable (Red)	2 meters	
24.	2.5 mm^2 single core cable (Black)	2 meters	
25.	2.5 mm^2 single core cable (Green/yellow)	2 meters	
26.	6.0 mm^2 single core cable (Red)	2 meters	
27.	6.0 mm^2 single core cable (Black)	2 meters	
28.	6.0 mm^2 single core cable (Green/yellow)	2 meters	
29.	multimeter	1	
30.	Screw drivers	1	Candidate
31.	Phase tester	1	
32.	Spirit level	1	
33.	Ball pein hammer	1	
34.	Electrician pliers	1	
35.	Tape measure	1	
36.	Electrician tool kit.	1	

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