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072203T4SPV

SOLAR PV INSTALLATION LEVEL3

ENG/OS/SPV/CR/03/3

Install Solar PV 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.	50W solar module	1	Institution
2.	50Ah solar battery	1	
3.	10/20A charge PWM controller	1	
4.	300W inverter	1	
5.	Complete 4-way CCU	1	
6.	1 gang 2 way switch	1	
7.	2 gang 2 way switch	1	
8.	Straight batten lamp holder	2	
9.	10V/5W lamp	2	
10.	20A plastic socket outlet	1	
11.	Shallow single pattress	2	
12.	Shallow double pattress	1	
13.	Installation board (1.5M x 1.5M)	1	

14.	1 inch gypsum screw	Enough	
15.	1.5mm^2 single live cable	5 Meters	
16.	1.5mm^2 single neutral cable	2.5 Meters	
17.	2.5mm^2 single live cable	1 Meter	
18.	2.5mm^2 single neutral cable	1 Meter	
19.	2.5mm^2 single earth cable	1 Meter	
20.	4.0mm^2 single live cable	1 Meter	
21.	4.0mm^2 single neutral cable	1 Meter	
22.	4.0mm^2 single earth cable	1 Meter	
23.	Battery crocodile clips, R/B	2	
24.	Multimeter	1 per 3 candidates	
25.	Spirit level	1	
26.	Engineer's knife	1	
27.	Cable stripper	1	
28.	Insulation tapes (Black, Red, Green)	Per 3 candidates	
29.	Installation board (1.5m x 1.5m)	1	
30.	Combinational pliers	1	Candidate
31.	Screw driver(Star)	1	
32.	Screw driver(Star)	1	
33.	Tape measure	1	
34.	Ball pein hammer	1	
35.	Relevant PPEs		

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