

S/N.	Item	Description	Quantity per candidate	Responsibility
1.	Installation board	Wooden	1 piece	Institution
2.	Solar panel	40W	1 piece	
3.	Energy meter	Single-phase smart bidirectional	1 piece	
4.	DC disconnect switch	32A	1 piece	
5.	AC disconnect switch	32A	1 piece	
6.	Changeover switch	32 A	1 piece	
7.	Inverter	600W	1piece	
8.	4-way Consumer control unit	4-way (with circuit breakers)	1 piece	
9.	Deep pattress	PVC	3 pieces	
10.	Shallow pattress	PVC	3 pieces	

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ELECTRICAL ENGINEERING (POWER OPTION) LEVEL 6

ENG/OS/PO/CR/07/6

INSTALL SOLAR SYSTEM

July/August 2025



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

**CUTTING LIST**

11.	End box	PVC	1 piece		
12.	Cable	1.5 mm <sup>2</sup> single core	3.5 m		
13.	Cable	2.5 mm <sup>2</sup> single core	3.0 m		
14.	Cable	4.0 mm <sup>2</sup> single core	1.5 m		
15.	Wood screws	Assorted	30 pieces		
16.	Lamp holder	Straight batten	2 piece		
17.	Bulb	Incadescent	2 pieces		
18.	Socket outlets	Switched Single	4 pieces		
19.	Switches	2-way one gang	2 pieces		
20.	Switches	One way 1 gang	1 piece		
21.	Mini trunking	25mm by 16mm	3meters		
22.	Battery	12v, 100AH	1		
23.	Neon tester		1		candidate
23	Combinational pliers		1		
24	sidecutter		1		
25	Set of screw driver		1		
26	Ball pein hammer		1		
27	Tape measure (5m)		1		
28	Spirit level		1		

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