

1. Title	Assemble simple electrical equipment, water pumps and generating units (non-live)
2. Code	EMELIN103A
3. Range	Assemble simple electrical equipment, water pumps and generating units in non live conditions at general machine rooms or service rooms of buildings.
4. Level	1
5. Credit	6
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Working principles and basic assembly of simple electrical equipment, water pumps and generating units ♦ Understand the working principles and basic assembly of simple electrical equipment, water pumps and generating units such as:</p> <ul style="list-style-type: none"> • Basic electrical equipment like lighting appliances, switches, power plugs and socket • Mechanical parts like mechanical energy transmission devices such as bearing and coupling • Power water pumps • Emergency generating units of buildings <p>6.2 Assemble simple electrical equipment, water pumps and generating units in non live conditions ♦ Use various kinds of electrical materials, equipment, tools and instruments to assemble simple electrical equipment, water pumps and generating units such as:</p> <ul style="list-style-type: none"> • Lighting appliances, switches, power plugs and socket • Motor starter and relevant circuit protection equipment • Single-phase and three-phase fed water pumps • Emergency generating units of buildings <p>6.3 Professionalism in assembling simple electrical equipment, water pumps and generating units ♦ Follow the industry Safety Rules and practice to carry out the assembly of simple electrical equipment, water pumps and generating units</p>
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <p>(i) Capable to complete the assembly of simple electrical equipment, water pumps and generating units in non live condition.</p>
8. Remarks	This unit of competency is applicable to new entrants of electrical engineering services.