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	<ul> <li>6.1 Working principles and basic assembly of simple electrical equipment, water pumps and generating units</li> <li>◆ Basic electrical equipment, water pumps and generating units such as:</li> <li>• Basic electrical equipment like lighting appliances, switches, power plugs and socket</li> <li>• Mechanical parts like mechanical energy transmission devices such as bearing and coupling</li> <li>• Power water pumps</li> </ul>
	<ul> <li>Emergency generating units of buildings</li> <li>6.2 Assemble simple electrical         equipment, water pumps and         generating units in non live         conditions</li> <li>Use various kinds of electrical materials, equipment, tools         and instruments to assemble simple electrical equipment,         water pumps and generating units such as:         <ul> <li>Lighting appliances, switches, power plugs and socket</li> <li>Motor starter and relevant circuit protection equipment</li> <li>Single-phase and three-phase fed water pumps</li> <li>Emergency generating units of buildings</li> </ul> </li> </ul>
	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
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are:  (i) Capable to complete the assembly of simple electrical equipment, water pumps and generating units in non live condition.
8. Remarks	This unit of competency is applicable to new entrants of electrical engineering services.